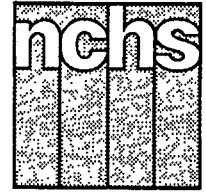


# Monthly Vital Statistics Report



Provisional Data From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics

## Births, Marriages, Divorces, and Deaths for August 1992

### Mortality Surveillance System

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Malignant neoplasm of prostate:  
Males 65 years and over by race

Malignant neoplasm of breast:  
Females 45-74 years of age by race

### State Maps

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Malignant neoplasms of genital organs: Males

Malignant neoplasm of breast:  
Females

### Births

According to provisional reports, an estimated 351,000 births occurred in the United States during August 1992. This was an increase of 1 percent from the provisional number of births reported for August 1991 (346,000). The birth rate, 16.1 live births per 1,000 population, was identical to the rate for August 1991. The fertility rate, 70.3 live births per 1,000 women aged 15-44 years, was 2 percent higher than the comparable rate a year earlier (69.1). The seasonally adjusted fertility rate (66.5) also was 2 percent higher than the comparable rate for August 1991 (65.3).

During the first 8 months of 1992, an estimated 2,722,000 births occurred, a slight decrease from the 2,724,000 births reported for January-August 1991. The birth rate declined by 1 percent from 16.2 in 1991 to 16.0 in 1992.

An estimated 4,108,000 live births occurred in the 12-month period ending with August 1992, a decline of 1 percent from the 4,129,000 births reported for the same period a year earlier. The birth rate of 16.1 was 2 percent lower than the rate of 16.4 for the preceding 12-month period. The fertility rate for the most recent 12-month period was 69.7, slightly

### Provisional Vital Statistics for the United States

[Rates for infant deaths are infant deaths per 1,000 live births; fertility rates per 1,000 women aged 15-44 years; all other rates per 1,000 population. Data are subject to monthly reporting variation; see Technical notes]

Item	August		January-August				12 months ending with August							
	Number		Rate		Number		Rate		Number		Rate			
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1990	1989
Live births . . . . .	351,000	346,000	16.1	16.1	2,722,000	2,724,000	16.0	16.2	4,108,000	4,129,000	16.1	16.4	16.5	16.1
Fertility rate . . . . .	...	...	70.3	69.1	...	...	69.3	69.4	...	...	69.7	70.0	70.5	68.1
Deaths . . . . .	172,000	172,000	7.9	8.0	1,466,000	1,451,000	8.6	8.6	2,179,000	2,154,000	8.5	8.5	8.7	8.7
Infant deaths . . . . .	2,700	2,800	7.9	8.2	23,400	24,700	8.6	9.1	35,200	37,100	8.6	9.0	9.3	9.8
Natural increase . . . . .	179,000	174,000	8.2	8.1	1,256,000	1,273,000	7.4	7.6	1,929,000	1,975,000	7.6	7.9	7.8	7.4
Marriages . . . . .	243,000	253,000	11.2	11.7	1,557,000	1,568,000	9.1	9.3	2,358,000	2,406,000	9.2	9.5	9.8	9.7
Divorces . . . . .	98,000	102,000	4.5	4.7	805,000	798,000	4.7	4.7	1,194,000	1,182,000	4.7	4.7	4.7	4.7

NOTE: Figures include all revisions received from the States. Cumulative figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Centers for Disease Control and Prevention  
National Center for Health Statistics



lower than the rate for the 12 months ending with August 1991 (70.0). These lower rates continue the generally downward trend observed since early 1991.

**Natural increase**

As a result of natural increase, the excess of births over deaths, an estimated 179,000 people, or 8.2 persons per 1,000 population, were added to the population during August 1992.

For the 12-month period ending with August 1992, 1,929,000 persons were added to the population. This represents a rate of natural increase of 7.6, 4 percent lower than the rate of 7.9 for the preceding 12-month period. The decline in the rate of natural increase is due entirely to a decrease in the birth rate, while the death rate remained steady.

**Marriages**

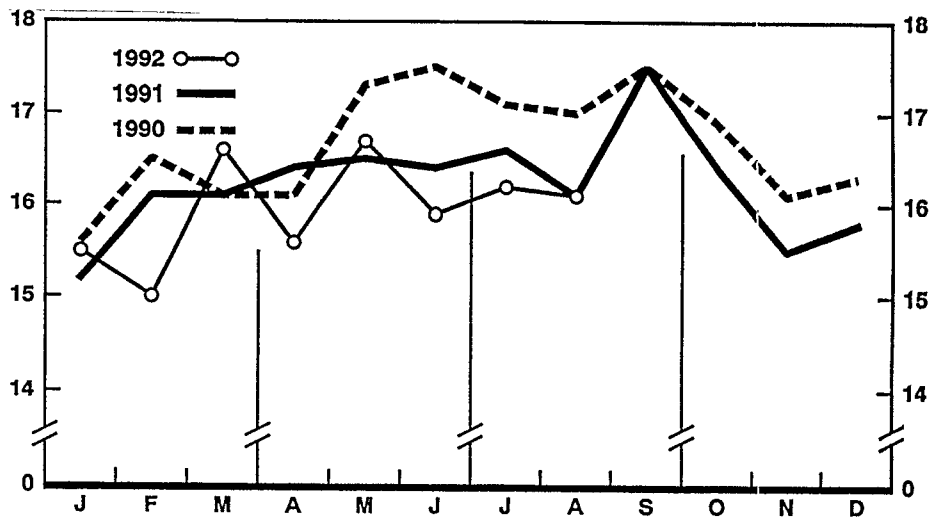
Provisional statistics indicate that the number of marriages and the marriage rate for August 1992 were 4 percent lower than that for August 1991. The number of marriages dropped from 253,000 to 243,000, while the marriage rate declined from 11.7 to 11.2 per 1,000 population.

The cumulative number of marriages for January–August totaled 1,557,000, a 1-percent decline from the same period of the previous year (1,568,000). The marriage rate for the 8-month period was 2 percent lower in 1992 (9.1) than in 1991 (9.3).

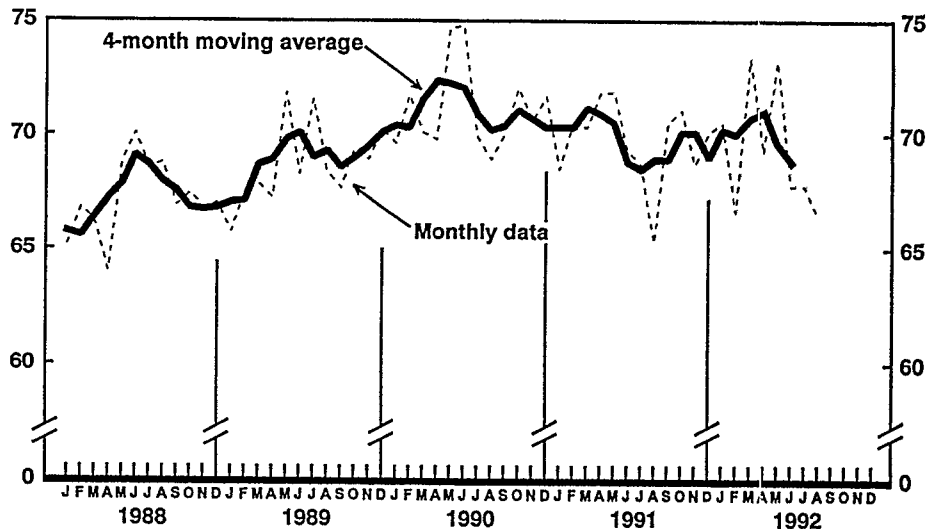
Marriages performed during the 12 months ending with August 1992 (2,358,000) numbered 2 percent fewer than for the same period a year earlier (2,406,000). The 12-month marriage rate was 3 percent lower for the period ending in August 1992 (9.2) than for the period ending in August 1991 (9.5).

**Divorces**

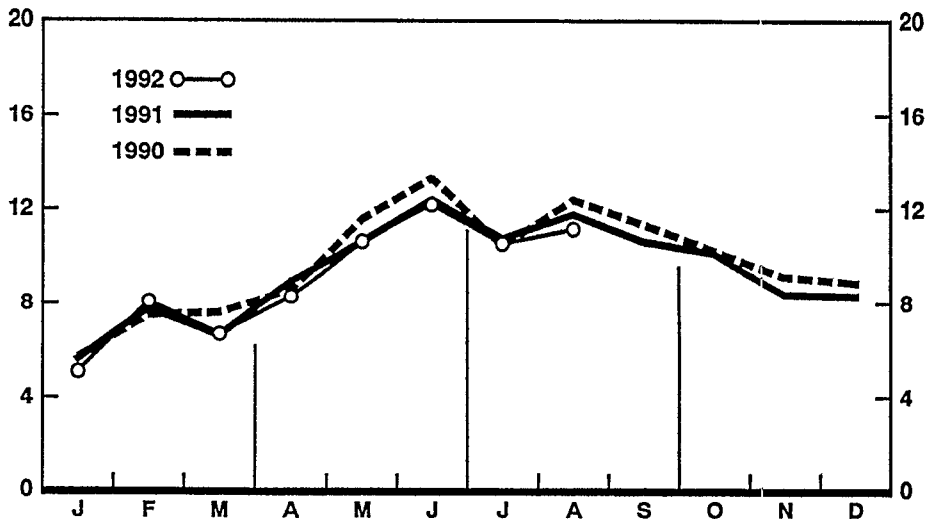
Divorces granted in August 1992 numbered 98,000, a 4-percent decline from the number for August 1991 (102,000). The divorce rate per 1,000 population for August also was 4 percent lower in 1992 (4.5) than in 1991 (4.7).



Provisional birth rates per 1,000 population by month: United States, 1990-92



Provisional seasonally adjusted fertility rates per 1,000 women aged 15-44: United States, 1988-92



Provisional marriage rates per 1,000 population by month: United States, 1990-92

Despite the decrease in the number for August, the number of divorces for the first 8 months of 1992 (805,000) was 1 percent higher than for the same period in 1991 (798,000). However, the divorce rate for the period remained steady at 4.7 for both years.

For the 12-month period ending with August 1992, the number of divorces (1,194,000) was 1 percent higher than for the same period a year earlier (1,182,000). The divorce rate was 4.7 for both 12-month periods.

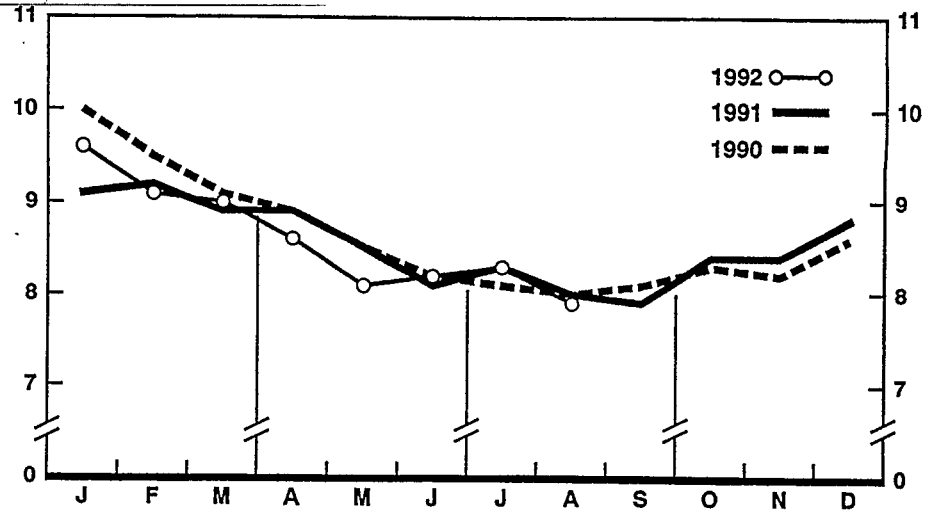
**Deaths**

For August 1992 there were an estimated 172,000 deaths in the United States. The death rate was 7.9 deaths per 1,000 population, 1 percent lower than the rate for August a year earlier. Among the 172,000 deaths for August 1992 were 2,700 deaths at ages under 1 year.

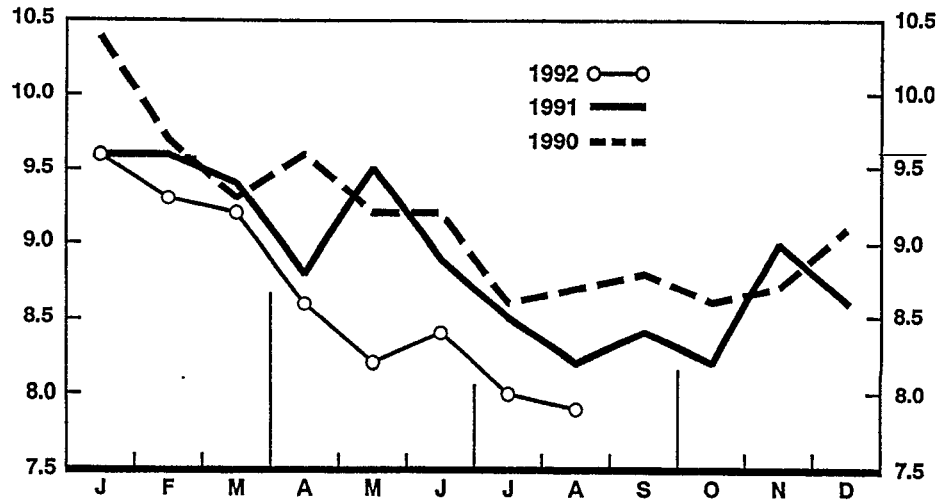
According to provisional statistics, 1,466,000 deaths occurred during the first 8 months of 1992, 1 percent more than estimated for January–August 1991 (1,451,000). The death rate, 8.6 per 1,000 population, was the same as the rate for January–August 1991. Among the 1,466,000 deaths for the first 8 months of 1992 were 23,400 deaths at ages under 1 year, yielding an infant mortality rate of 8.6 per 1,000 live births. This rate was 5 percent lower than the rate of 9.1 for the first 8 months of 1991.

The death rate for the 12 months ending with August 1992 was 8.5 deaths per 1,000 population, the same as the rate for the comparable 12-month period a year earlier. The infant mortality rate for this 12-month period was 8.6 per 1,000 live births, 4 percent lower than the rate of 9.0 for the 12 months ending with August 1991.

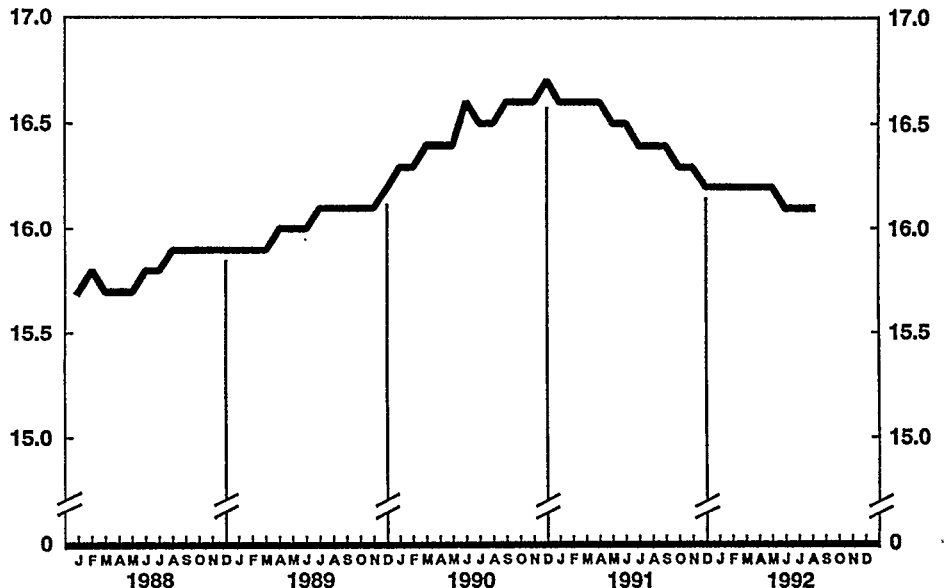
*Current Mortality Sample, 12 months ending with July 1992*—The provisional death rate for the 12 months ending with July 1992 was 854.1 deaths per 100,000 population, slightly higher than the rate of 852.3 for the 12-month period ending with July 1991. The provisional age-adjusted death rate for the 12-month



Provisional death rates per 1,000 population by month: United States, 1990-92



Provisional infant mortality rates per 1,000 live births by month: United States, 1990-92



Provisional birth rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92

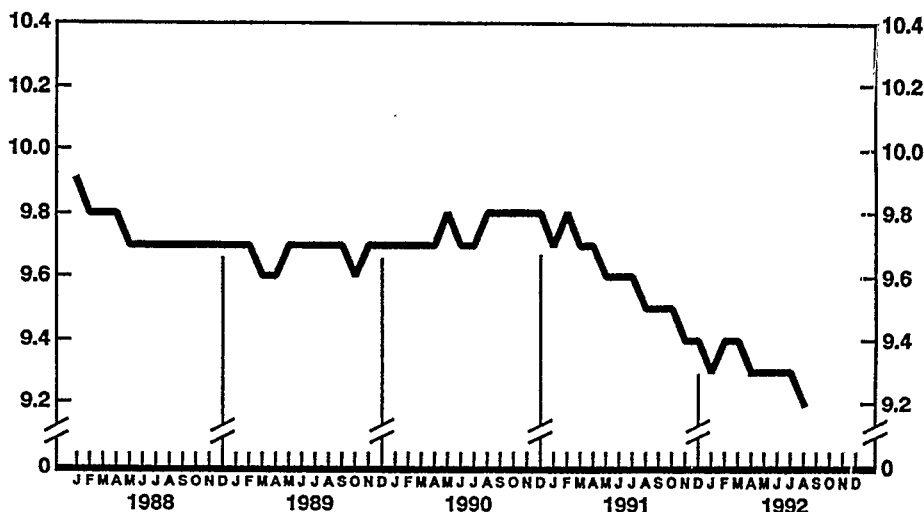
period ending with July 1992 was 504.3 deaths per 100,000 population, 1 percent lower than the rate of 508.0 for the 12-month period ending with July 1991. Age-adjusted death rates control for changes and variations in the age composition of the population; therefore, they are better indicators than crude rates for showing changes in mortality risk over time and for showing differences between race-sex groups within the population. Among the race-sex groups, the estimated age-adjusted death rates decreased for white males and white females but increased for black males. By age, the death rate for the total population decreased for the age group 65-74 years but increased for the age group 35-44 years.

Among the major causes of death, the estimated death rate increased between the two successive 12-month periods for Chronic obstructive pulmonary diseases and allied conditions and Human immunodeficiency virus infection. The death rate decreased between the two successive 12-month periods for Motor vehicle accidents.

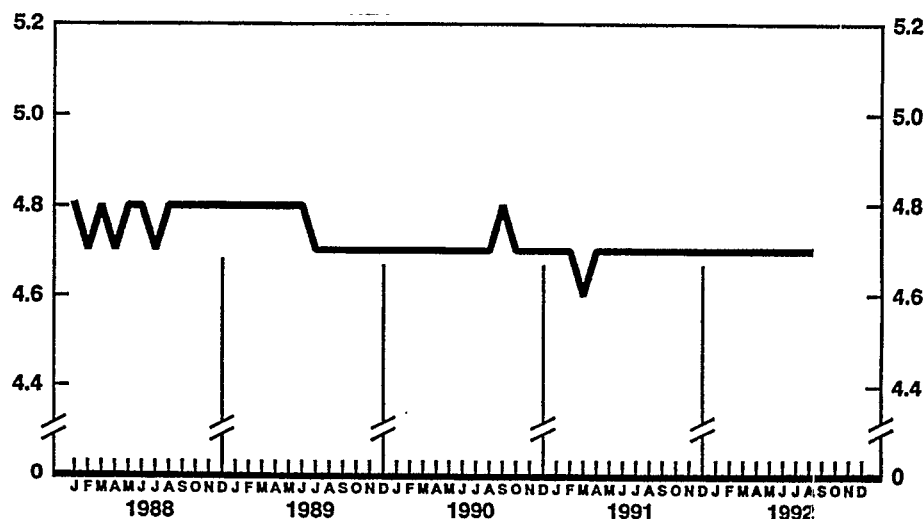
The infant mortality rate for the 12 months ending with July 1992 was 865.2 per 100,000 live births, 4 percent lower than the rate of 903.1 for the same 12-month period a year earlier. For infants under 28 days, the 12-month rate ending with July 1992 was 542.3 compared with a rate of 571.7 for the 12-month period a year earlier. The infant mortality rate for infants 28 days to 11 months was 323.1 compared with a rate of 331.7 for the 12-month period a year earlier. The changes in the mortality rates for infants under 28 days and for those 28 days to 11 months were not statistically significant. Among causes of infant death, the infant mortality rate decreased between the two successive 12-month periods for Respiratory distress syndrome.

**Mortality Surveillance System**

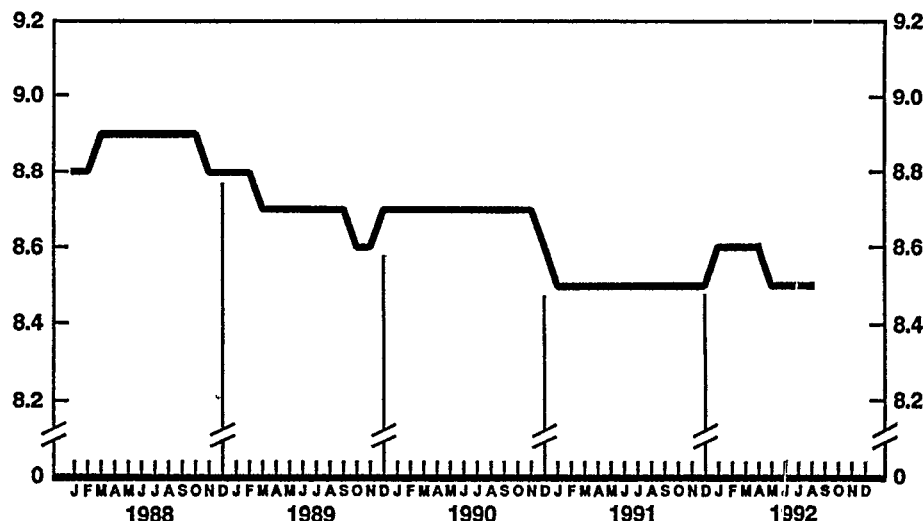
Discussed this month are recent trends in death rates for Malignant neoplasm of breast (breast cancer) for black and white women aged 45-74 years and Malignant neoplasm of prostate (prostate cancer) for black and



Provisional marriage rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92



Provisional divorce rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92



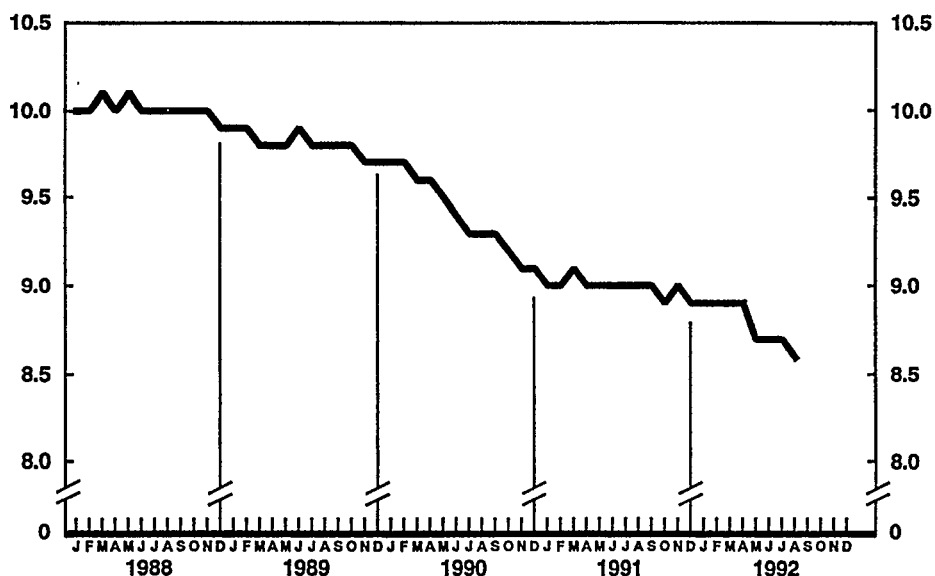
Provisional death rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92

white men aged 65 years and over. In this issue, final mortality data are analyzed for data year 1989 and provisional data, from January 1982–February 1992.

In 1989, the latest year for which final mortality data are available, Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer) was the leading cause of death for women aged 45–74 years and accounted for 129,629 deaths, or 37 percent of deaths from all causes for women in this age group. Breast cancer, a major cause of cancer mortality for women aged 45–74 years, accounted for 25,874 deaths, or 7 percent of all deaths and 20 percent of all cancer deaths for women in this age group. For black women aged 45–74, breast cancer accounted for 2,786 deaths, or 5 percent of all deaths and 19 percent of all cancer deaths. For white women, breast cancer accounted for 22,782 deaths, or 8 percent of all deaths and 20 percent of all cancer deaths.

Cancer was the second leading cause of death (after Diseases of heart) for men aged 65 years and over and accounted for 178,430 deaths, or 25 percent of all deaths for men in this age group. Prostate cancer, a major cause of cancer mortality for men aged 65 years and over, accounted for 27,511 deaths, or 4 percent of all deaths and 15 percent of all cancer deaths for men in this age group. For black men aged 65 years and over, prostate cancer accounted for 4,163 deaths, or 6 percent of all deaths and 22 percent of all cancer deaths. For white men, prostate cancer accounted for 23,106 deaths, or 4 percent of all deaths and 15 percent of all cancer deaths.

Based on 1989 final data, the prostate cancer death rate for black men aged 65 years and over was twice the rate for white men in this age group. In contrast, for breast cancer, the rate for black women aged 45–74 years was about the same as the rate for white women in this age group. Trends based on provisional data for breast cancer and prostate cancer for these demographic groups are presented in the Mortality Surveillance System charts and accompanying text that follow.

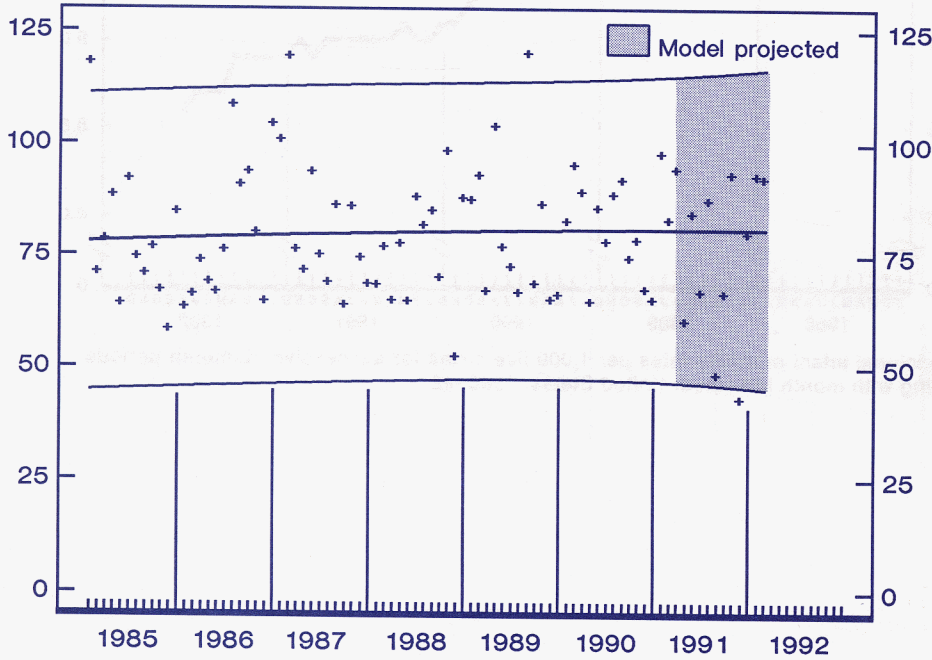


Provisional infant mortality rates per 1,000 live births for successive 12-month periods ending with month indicated: United States, 1988–92

## Mortality Surveillance System Charts

[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1982–February 1991; projected for March 1991–February 1992. See Technical notes]

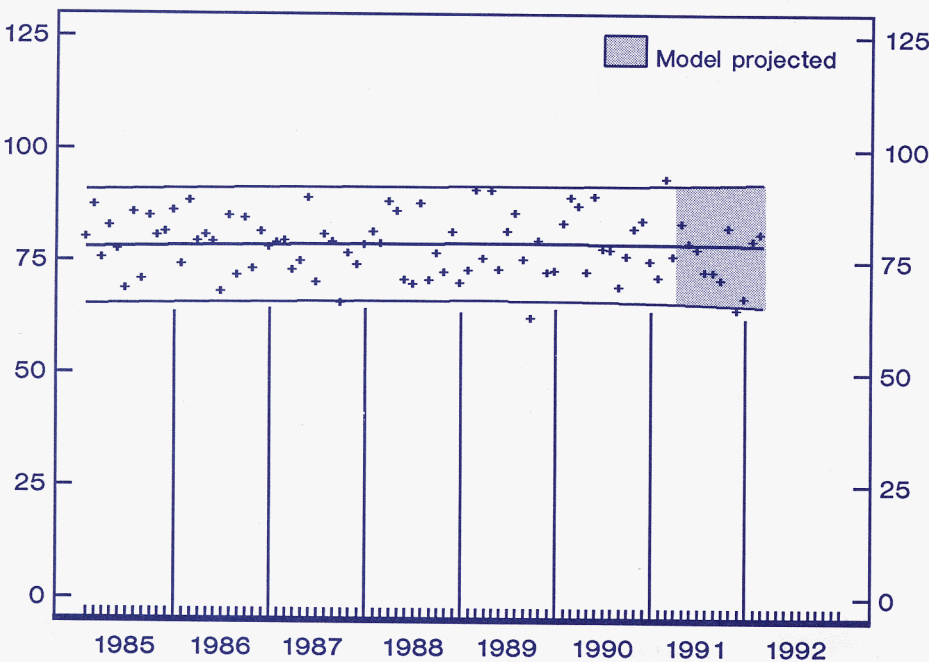
Malignant neoplasm of breast  
Black females, 45–74 years



- For the modeled period, provisional death rates increased slightly.
- For the projection period, observed provisional monthly death rates, except for 1 month, fell within 95-percent prediction intervals.

Provisional death rates per 100,000 black females 45–74 years of age for Malignant neoplasm of breast, by month: United States, 1985–92

Malignant neoplasm of breast  
White females, 45–74 years



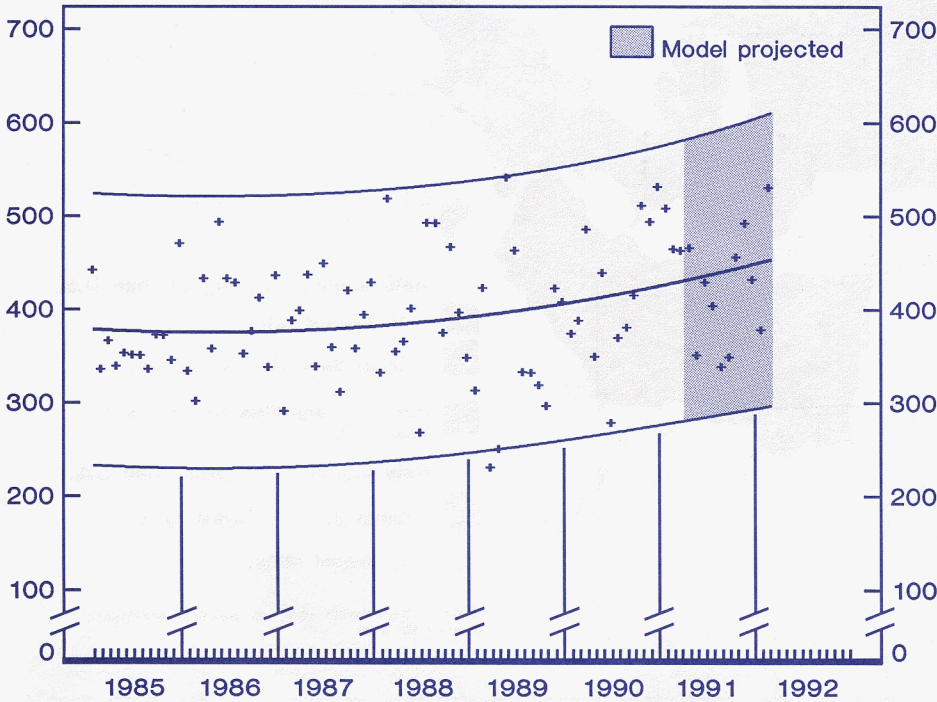
- For the modeled period, provisional death rates increased slightly.
- For the projection period, observed provisional monthly death rates, except for 1 month, fell within 95-percent prediction intervals.

Provisional death rates per 100,000 white females 45–74 years of age for Malignant neoplasm of breast, by month: United States, 1985–92

**Mortality Surveillance System Charts—Con.**

[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1982–February 1991; projected for March 1991–February 1992. See Technical notes]

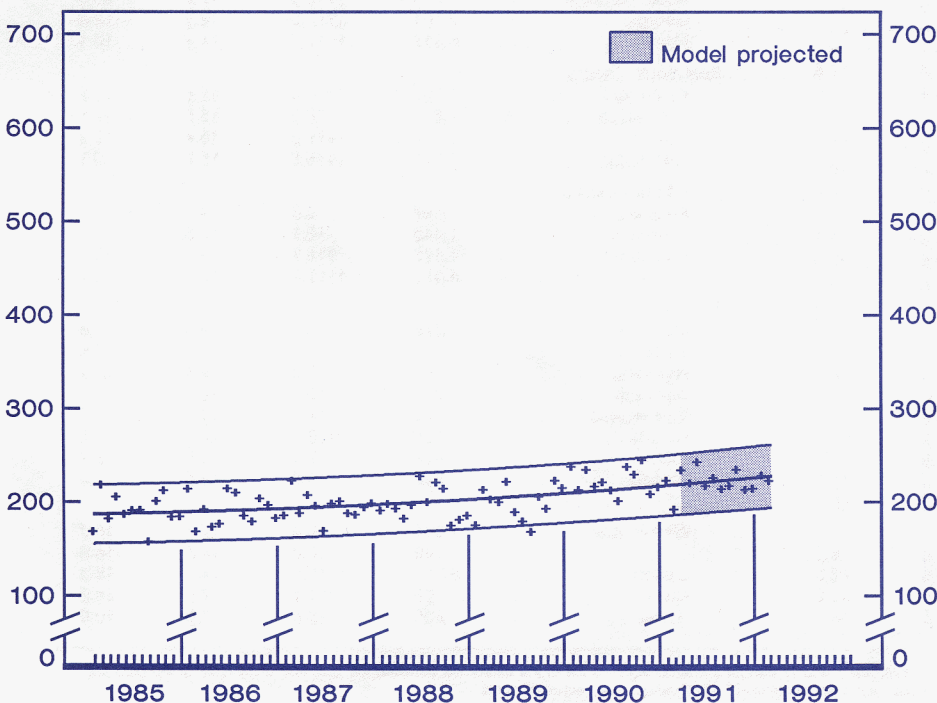
Malignant neoplasm of prostate  
Black males, 65 years and over



Provisional death rates per 100,000 black males 65 years of age and over for Malignant neoplasm of prostate, by month: United States, 1985–92

- For the modeled period, provisional death rates declined in the mid 1980's, and have increased since 1987.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.

Malignant neoplasm of prostate  
White males, 65 years and over

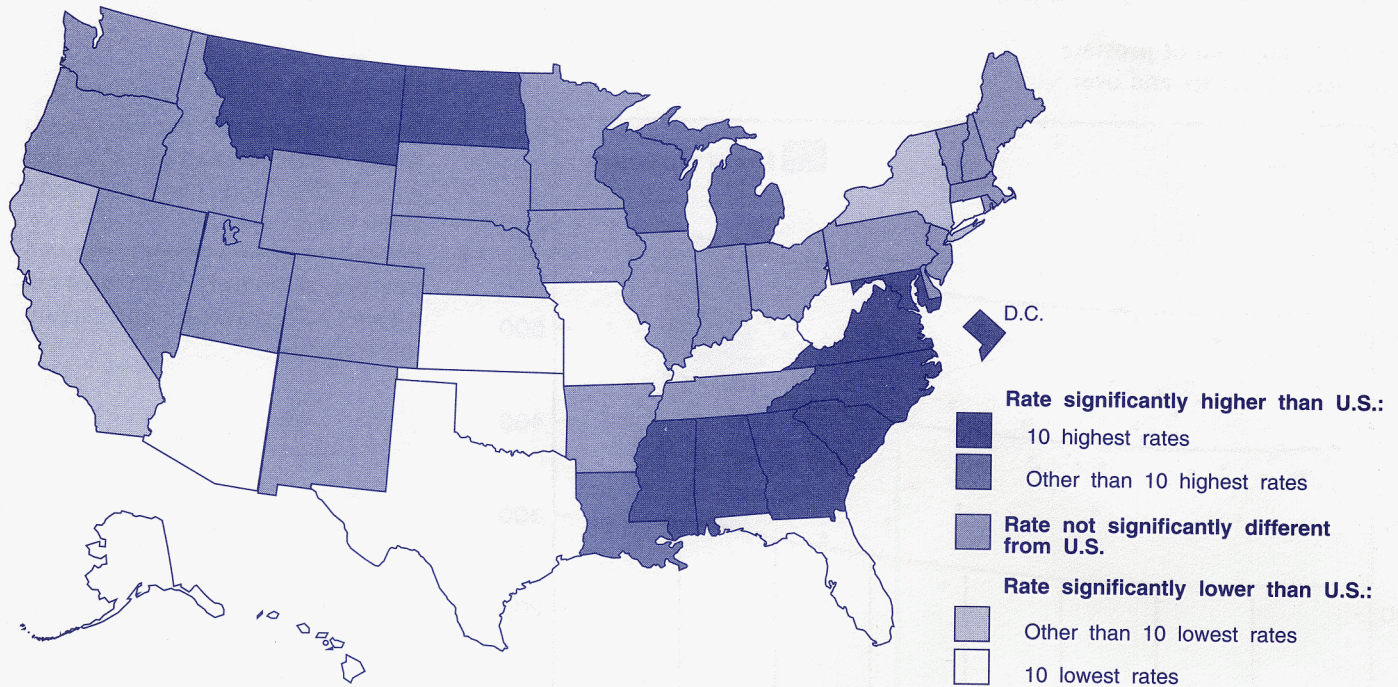


Provisional death rates per 100,000 white males 65 years of age and over for Malignant neoplasm of prostate, by month: United States, 1985–92

- For the modeled period, provisional death rates have increased.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.

**Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Malignant neoplasms of genital organs for males: United States and each State, 1987-89**

[Data are final by State of residence]



NOTE: "Significantly" refers to statistical significance at the 0.05 level.

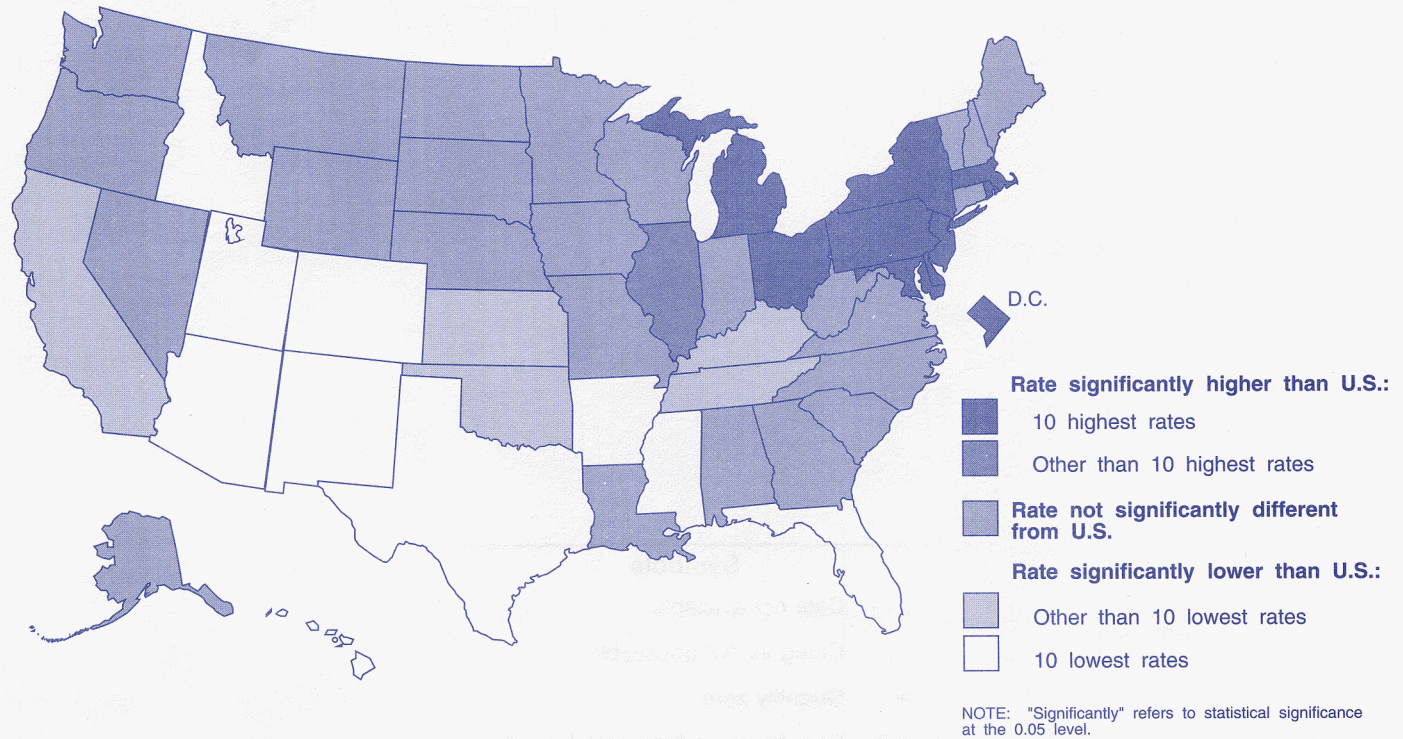
Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits		Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States . . . . .	89,205	15.7	15.6	15.8	South Atlantic—Con.				
<b>New England</b>					West Virginia . . . . .	669	††14.0	12.9	15.1
Maine . . . . .	499	16.4	14.9	17.9	North Carolina . . . . .	2,555	††18.6	17.9	19.3
New Hampshire . . . . .	377	16.6	14.9	18.3	South Carolina . . . . .	1,214	††18.9	17.8	20.0
Vermont . . . . .	230	17.7	15.3	20.1	Georgia . . . . .	2,101	††19.0	18.2	19.8
Massachusetts . . . . .	2,238	15.4	14.7	16.1	Florida . . . . .	6,317	††14.7	14.3	15.1
Rhode Island . . . . .	417	16.0	14.4	17.6	<b>East South Central</b>				
Connecticut . . . . .	1,135	††14.3	13.4	15.2	Kentucky . . . . .	1,235	††14.4	13.6	15.2
<b>Middle Atlantic</b>					Tennessee . . . . .	1,810	16.3	15.5	17.1
New York . . . . .	6,496	†15.3	14.9	15.7	Alabama . . . . .	1,594	††17.3	16.4	18.2
New Jersey . . . . .	2,963	16.1	15.5	16.7	Mississippi . . . . .	1,071	††18.0	16.9	19.1
Pennsylvania . . . . .	5,099	15.9	15.5	16.3	<b>West South Central</b>				
<b>East North Central</b>					Arkansas . . . . .	1,032	15.3	14.3	16.3
Ohio . . . . .	3,945	15.8	15.3	16.3	Louisiana . . . . .	1,446	†16.7	15.8	17.6
Indiana . . . . .	1,915	15.2	14.5	15.9	Oklahoma . . . . .	1,173	††14.7	13.8	15.6
Illinois . . . . .	4,112	15.8	15.3	16.3	Texas . . . . .	4,371	††13.8	13.4	14.2
Michigan . . . . .	3,335	††16.8	16.2	17.4	<b>Mountain</b>				
Wisconsin . . . . .	2,052	†16.6	15.8	17.4	Montana . . . . .	376	††18.6	16.6	20.6
<b>West North Central</b>					Idaho . . . . .	371	15.8	14.1	17.5
Minnesota . . . . .	1,782	16.1	15.3	16.9	Wyoming . . . . .	147	17.3	14.4	20.2
Iowa . . . . .	1,279	15.9	15.0	16.8	Colorado . . . . .	970	16.1	15.1	17.1
Missouri . . . . .	1,955	††14.5	13.8	15.2	New Mexico . . . . .	442	14.5	13.1	15.9
North Dakota . . . . .	373	††19.3	17.2	21.4	Arizona . . . . .	1,186	††13.7	12.9	14.5
South Dakota . . . . .	323	15.8	13.9	17.7	Utah . . . . .	475	17.1	15.5	18.7
Nebraska . . . . .	661	15.3	14.0	16.6	Nevada . . . . .	322	15.2	13.5	16.9
Kansas . . . . .	933	††14.2	13.2	15.2	<b>Pacific</b>				
<b>South Atlantic</b>					Washington . . . . .	1,661	15.9	15.1	16.7
Delaware . . . . .	243	16.8	14.6	19.0	Oregon . . . . .	1,149	15.6	14.6	16.6
Maryland . . . . .	1,661	††18.4	17.5	19.3	California . . . . .	8,710	††15.0	14.7	15.3
District of Columbia . . . . .	391	††30.0	27.0	33.0	Alaska . . . . .	58	††11.1	7.9	14.3
Virginia . . . . .	2,100	††18.3	17.5	19.1	Hawaii . . . . .	236	††8.8	7.6	10.0

NOTE: Data are final. Rates per 100,000 population in specified group. The symbols † and †† denote statistical significance of the difference between the U.S. and State rates at the 0.05 and 0.01 levels, respectively. For method of computation of rates, confidence limits, and tests of statistical significance, see Technical notes.



**Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Malignant neoplasm of breast for females: United States and each State, 1987-89**

[Data are final by State of residence]



Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits		Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States . . . . .	125,908	23.0	22.9	23.1	South Atlantic—Con.				
<b>New England</b>					West Virginia . . . . .	1,011	22.8	21.2	24.4
Maine . . . . .	641	22.2	20.3	24.1	North Carolina . . . . .	3,211	22.8	22.0	23.6
New Hampshire . . . . .	587	24.9	22.7	27.1	South Carolina . . . . .	1,522	22.1	20.9	23.3
Vermont . . . . .	307	25.6	22.4	28.8	Georgia . . . . .	2,730	22.2	21.3	23.1
Massachusetts . . . . .	3,807	††25.2	24.3	26.1	Florida . . . . .	7,318	††20.9	20.3	21.5
Rhode Island . . . . .	654	††26.1	23.8	28.4	<b>East South Central</b>				
Connecticut . . . . .	1,924	23.5	22.3	24.7	Kentucky . . . . .	1,751	††21.7	20.6	22.8
<b>Middle Atlantic</b>					Tennessee . . . . .	2,378	††21.7	20.8	22.6
New York . . . . .	11,358	††25.7	25.2	26.2	Alabama . . . . .	1,943	22.4	21.3	23.5
New Jersey . . . . .	4,955	††25.7	24.9	26.5	Mississippi . . . . .	1,099	††20.6	19.3	21.9
Pennsylvania . . . . .	7,725	††24.8	24.2	25.4	<b>West South Central</b>				
<b>East North Central</b>					Arkansas . . . . .	1,135	††19.6	18.3	20.9
Ohio . . . . .	6,213	††24.8	24.1	25.5	Louisiana . . . . .	1,894	22.1	21.0	23.2
Indiana . . . . .	2,926	23.6	22.7	24.5	Oklahoma . . . . .	1,483	††21.2	20.0	22.4
Illinois . . . . .	6,335	††24.2	23.5	24.9	Texas . . . . .	6,042	††19.4	18.9	19.9
Michigan . . . . .	4,801	††24.6	23.8	25.4	<b>Mountain</b>				
Wisconsin . . . . .	2,602	23.0	22.0	24.0	Montana . . . . .	358	21.3	18.9	23.7
<b>West North Central</b>					Idaho . . . . .	394	††20.1	17.9	22.3
Minnesota . . . . .	2,203	22.6	21.5	23.7	Wyoming . . . . .	189	26.0	21.9	30.1
Iowa . . . . .	1,636	22.7	21.4	24.0	Colorado . . . . .	1,246	††20.1	18.9	21.3
Missouri . . . . .	2,883	23.1	22.2	24.0	New Mexico . . . . .	588	††20.3	18.5	22.1
North Dakota . . . . .	333	22.5	19.7	25.3	Arizona . . . . .	1,533	††20.3	19.2	21.4
South Dakota . . . . .	369	22.5	19.9	25.1	Utah . . . . .	515	††20.9	19.0	22.8
Nebraska . . . . .	856	22.4	20.7	24.1	Nevada . . . . .	475	24.4	22.1	26.7
Kansas . . . . .	1,256	††21.4	20.1	22.7	<b>Pacific</b>				
<b>South Atlantic</b>					Washington . . . . .	2,219	23.4	22.3	24.5
Delaware . . . . .	395	††27.6	24.7	30.5	Oregon . . . . .	1,396	22.9	21.5	24.3
Maryland . . . . .	2,394	††24.4	23.4	25.4	California . . . . .	12,592	††22.4	22.0	22.8
District of Columbia . . . . .	435	††30.3	27.2	33.4	Alaska . . . . .	107	19.5	15.7	23.3
Virginia . . . . .	2,891	23.3	22.4	24.2	Hawaii . . . . .	293	††14.8	13.0	16.6

NOTE: Data are final. Rates per 100,000 population in specified group. The symbols † and †† denote statistical significance of the difference between the U.S. and State rates at the 0.05 and 0.01 levels, respectively. For method of computation of rates, confidence limits, and tests of statistical significance, see Technical notes.

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**Symbols**

- - - Data not available
  - . . . Category not applicable
  - Quantity zero
  - 0.0 Quantity more than zero but less than 0.05
  - \* Figure does not meet standards of reliability or precision (see Technical notes)
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**Table 1. Provisional number of live births, marriages, deaths, infant deaths, and rates, by month: United States, January 1991–August 1992**

[Data are provisional and are subject to monthly reporting variation; see Technical notes]

Period	Live births				Marriages		Deaths		Infant deaths	
	Number	Rate per 1,000 women 15–44 years			Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate per 1,000 live births
		Rate per 1,000 population	Unadjusted	Seasonally adjusted <sup>1</sup>						
<b>1991:</b>										
January	325,000	15.2	65.0	68.5	120,000	5.6	195,000	9.1	3,300	9.6
February	312,000	16.1	68.9	70.5	151,000	7.8	179,000	9.2	3,100	9.6
March	346,000	16.1	69.0	70.3	140,000	6.6	191,000	8.9	3,200	9.4
April	340,000	16.4	70.2	71.9	186,000	9.0	185,000	8.9	3,000	8.8
May	355,000	16.5	70.9	71.9	230,000	10.7	183,000	8.5	3,300	9.5
June	342,000	16.4	70.4	69.3	258,000	12.4	168,000	8.1	3,000	8.9
July	358,000	16.6	71.4	68.7	233,000	10.8	178,000	8.3	3,000	8.5
August	346,000	16.1	69.1	65.3	253,000	11.8	172,000	8.0	2,800	8.2
September	365,000	17.5	75.3	70.5	223,000	10.7	165,000	7.9	2,900	8.4
October	355,000	16.4	70.9	71.1	221,000	10.2	180,000	8.4	2,900	8.2
November	324,000	15.5	66.8	68.7	177,000	8.4	176,000	8.4	3,000	9.0
December	342,000	15.8	68.3	70.1	180,000	8.3	191,000	8.8	2,900	8.6
<b>1992:</b>										
January	335,000	15.5	67.0	70.5	110,000	5.1	207,000	9.6	3,300	9.6
February	304,000	15.0	65.1	66.7	165,000	8.1	185,000	9.1	3,000	9.3
March	360,000	16.6	72.0	73.4	146,000	6.7	195,000	9.0	3,300	9.2
April	327,000	15.6	67.7	69.3	175,000	8.3	181,000	8.6	2,800	8.6
May	361,000	16.7	72.3	73.3	231,000	10.7	175,000	8.1	2,900	8.2
June	333,000	15.9	68.9	67.8	256,000	12.2	172,000	8.2	2,700	8.4
July	352,000	16.2	70.5	67.8	231,000	10.6	180,000	8.3	2,800	8.0
August	351,000	16.1	70.3	66.5	243,000	11.2	172,000	7.9	2,700	7.9

<sup>1</sup>The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

NOTE: Figures include all revisions received from the States and, therefore, may differ from those previously published.

Table 2. Provisional number of live births and deaths: each division and State, August 1991 and 1992, and cumulative figures, 1990–92

[Data are estimates by State of residence; see Technical notes]

Area	Live births					Deaths				
	August		January–August			August		January–August		
	1992	1991	1992	1991	1990	1992	1991	1992	1991	1990
New England	15,082	15,477	128,827	128,516	136,659	8,890	8,591	77,704	74,650	77,657
Maine	1,301	1,654	10,558	11,111	11,380	910	804	7,289	7,316	7,420
New Hampshire	1,262	988	10,552	10,567	11,928	613	359	5,388	5,280	5,609
Vermont	448	745	5,133	5,144	5,582	322	403	3,197	3,115	3,157
Massachusetts	6,878	5,501	61,087	59,751	64,411	4,059	4,137	36,792	34,222	37,259
Rhode Island	1,294	1,221	9,951	9,849	9,900	773	719	6,216	6,244	6,366
Connecticut	3,899	5,368	31,546	32,094	33,458	2,213	2,169	18,822	18,473	17,846
Middle Atlantic	46,818	47,679	376,567	384,410	393,643	27,576	28,236	240,690	241,049	244,679
New York	21,192	22,413	188,500	193,321	200,790	12,315	12,945	111,106	112,660	115,176
New Jersey	11,332	10,836	76,274	76,136	77,951	5,250	5,587	46,777	46,399	47,372
Pennsylvania	14,294	14,430	111,793	114,953	114,902	10,011	9,704	82,807	81,990	82,131
East North Central	53,801	56,323	436,562	439,301	450,591	29,246	30,037	247,698	251,020	249,743
Ohio	13,600	13,396	109,976	105,015	108,573	7,637	7,678	66,553	65,668	66,378
Indiana	7,242	6,720	56,189	56,143	56,796	4,059	3,919	33,712	34,895	33,785
Illinois	16,428	16,817	127,674	127,890	129,650	8,080	8,209	67,356	68,830	68,969
Michigan	10,734	13,069	94,903	101,482	106,431	6,270	6,342	52,806	53,124	53,121
Wisconsin	5,797	6,321	47,820	48,771	49,141	3,200	3,889	27,271	28,503	27,490
West North Central	21,924	21,720	175,385	173,899	181,852	13,249	12,180	107,615	106,599	109,720
Minnesota	5,708	5,789	44,263	44,765	46,507	2,728	2,850	23,070	23,199	23,056
Iowa	2,751	2,973	25,317	22,940	25,243	2,015	1,845	18,024	16,271	18,791
Missouri	7,119	6,096	51,311	50,803	52,621	4,610	3,507	33,351	34,200	34,308
North Dakota	768	784	6,004	6,158	6,449	477	416	3,803	3,616	3,840
South Dakota	908	877	7,563	7,413	7,452	538	456	4,678	4,436	4,443
Nebraska	2,002	2,127	15,842	16,284	16,486	1,163	1,305	9,852	9,725	9,815
Kansas	2,668	3,074	25,085	25,536	27,094	1,718	1,801	14,837	15,152	15,467
South Atlantic	56,824	55,402	451,042	453,319	462,649	32,056	32,157	272,313	265,683	266,080
Delaware	910	879	7,331	7,563	7,603	452	450	3,930	3,847	3,838
Maryland	6,855	6,651	50,087	53,062	54,502	2,904	3,283	24,621	24,601	25,605
District of Columbia	850	888	6,784	6,972	7,445	581	569	4,594	4,667	5,162
Virginia	8,070	7,836	66,786	64,703	65,652	3,979	3,722	33,114	32,485	32,429
West Virginia	2,001	1,704	15,121	15,112	15,089	1,444	1,582	13,866	13,450	13,514
North Carolina	8,957	9,338	68,594	68,119	69,488	4,793	4,552	39,909	38,843	38,464
South Carolina	4,848	5,405	37,605	38,553	38,410	2,668	2,139	20,623	19,814	19,769
Georgia	8,520	8,794	74,117	73,675	74,029	4,326	5,152	36,041	36,114	36,441
Florida	15,813	13,907	124,517	125,560	130,431	10,909	10,708	95,615	91,862	90,858
East South Central	20,094	18,799	153,705	152,503	160,858	11,489	10,800	99,841	95,225	99,325
Kentucky	4,549	5,061	36,134	37,015	39,724	2,544	2,646	23,596	23,361	24,250
Tennessee	6,112	5,328	47,539	48,037	49,148	3,913	3,089	32,187	30,015	31,191
Alabama	5,480	4,456	41,870	38,912	43,147	3,089	3,084	27,145	24,979	26,859
Mississippi	3,953	3,954	28,162	28,539	28,839	1,943	1,981	16,913	16,870	17,025
West South Central	39,968	42,921	323,347	317,282	319,429	17,109	17,722	154,123	150,649	150,077
Arkansas	2,936	2,825	23,223	22,581	23,942	1,974	1,834	17,021	15,963	16,776
Louisiana	5,659	8,488	49,448	48,947	47,917	2,219	3,277	26,247	26,497	25,438
Oklahoma	3,441	4,327	31,734	32,041	31,659	2,367	2,382	20,488	20,360	20,669
Texas <sup>2</sup>	27,932	27,281	218,942	213,713	215,911	10,549	10,229	90,367	87,829	87,194
Mountain	23,504	19,891	166,134	162,064	160,352	8,119	8,105	69,647	67,346	65,867
Montana	970	1,045	7,860	7,734	7,801	575	601	4,773	4,752	4,604
Idaho	1,516	1,457	11,800	11,635	11,408	595	631	5,321	5,187	5,125
Wyoming	516	569	4,604	4,511	4,610	277	289	2,093	2,093	2,171
Colorado	4,460	4,430	36,984	36,365	34,726	1,720	1,687	14,797	14,809	14,217
New Mexico	2,337	2,885	18,584	18,655	18,875	920	972	7,809	7,548	7,713
Arizona	8,467	4,926	46,031	44,458	44,269	2,445	2,234	21,389	20,146	19,789
Utah	2,941	2,925	25,520	23,330	24,280	777	851	6,568	6,135	6,005
Nevada	2,297	1,654	14,751	15,376	14,383	810	840	6,783	6,676	6,243
Pacific	64,107	59,514	488,637	501,140	507,217	23,903	24,023	196,328	200,808	197,705
Washington	4,908	5,631	45,054	49,363	52,635	2,868	2,804	24,907	25,213	24,852
Oregon	3,737	3,830	28,268	28,690	30,065	2,128	2,033	16,833	16,831	17,337
California <sup>3</sup>	52,735	47,403	394,266	402,509	403,406	18,151	18,447	148,598	152,832	149,505
Alaska	997	907	7,772	7,390	7,649	200	204	1,426	1,456	1,448
Hawaii	1,730	1,743	13,277	13,188	13,462	556	535	4,564	4,476	4,563

<sup>1</sup>Excludes figures for State(s) shown below as not available.<sup>2</sup>Beginning with data for February 1991, figures include adjustments for varying length of reporting period, see Technical notes.<sup>3</sup>Figures for all years include adjustments for varying length of reporting period, see Technical notes.

NOTE: Figures include all revisions received from the States. Cumulative figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 3. Provisional number of marriages and divorces: each division and State, August 1991 and 1992, and cumulative figures, 1990–92

[By State of occurrence. Number of events reported; see Technical notes. Divorces include reported annulments]

Area	Marriages					Divorces				
	August		January–August			August		January–August		
	1992	1991	1992	1991	1990	1992	1991	1992	1991	1990
New England	17,907	10,681	146,528	62,805	65,724	12,736	3,193	123,807	29,401	29,977
Maine	1,583	1,361	7,159	6,329	7,295	490	675	4,007	3,634	3,424
New Hampshire	1,142	1,199	4,820	5,854	6,549	304	461	3,835	3,441	3,692
Vermont	666	903	3,324	3,557	3,653	185	202	1,999	1,645	1,614
Massachusetts	3,652	3,664	26,645	26,803	27,319	1,494	751	11,599	9,488	10,934
Rhode Island	864	855	4,580	4,670	4,990	263	307	2,367	2,284	2,708
Connecticut	---	2,699	---	15,592	15,918	---	797	---	8,909	7,605
Middle Atlantic	113,293	29,243	183,436	182,132	198,071	8,725	10,463	73,311	77,180	84,134
New York <sup>2</sup>	---	16,529	---	100,509	107,744	4,507	5,410	37,305	38,076	40,255
New Jersey	5,417	5,548	33,945	34,347	35,042	927	1,740	9,192	12,606	17,177
Pennsylvania	7,876	7,166	49,491	47,276	55,285	3,291	3,313	26,814	26,498	26,702
East North Central	37,646	39,228	223,947	232,196	237,315	12,509	113,232	1101,430	1105,505	1103,180
Ohio	9,076	9,700	59,159	62,442	59,559	4,364	3,909	35,466	36,434	33,706
Indiana	5,323	5,432	33,169	32,944	36,085	---	---	---	---	---
Illinois	9,127	10,323	59,130	61,540	62,815	3,052	3,669	27,971	29,814	30,331
Michigan	9,657	8,855	45,739	48,075	49,361	3,907	3,907	25,763	26,885	27,286
Wisconsin	4,463	4,918	26,750	27,195	29,495	1,569	1,747	12,230	12,372	11,857
West North Central	16,582	16,679	98,109	98,683	102,686	6,841	6,303	51,415	52,819	52,123
Minnesota	4,036	4,101	20,701	21,362	21,660	1,173	1,404	10,046	10,203	9,953
Iowa	2,682	2,483	14,909	15,292	16,156	840	827	7,360	8,390	7,472
Missouri	4,653	4,213	30,346	30,415	32,242	2,013	2,233	17,660	18,014	17,871
North Dakota	581	578	3,273	3,197	3,261	193	197	1,583	1,452	1,587
South Dakota	1,077	997	5,207	5,150	5,355	232	263	1,926	1,800	1,811
Nebraska	1,317	1,321	9,142	8,900	8,711	513	591	4,400	4,388	4,229
Kansas	2,236	2,986	14,531	14,367	15,301	1,877	788	8,440	8,572	9,200
South Atlantic	39,929	39,839	286,340	296,703	309,372	20,084	19,810	1156,961	156,307	154,561
Delaware	507	503	3,217	3,466	3,546	276	265	2,279	1,973	1,906
Maryland	4,979	4,357	27,130	26,699	29,211	1,532	1,567	11,839	10,810	10,456
District of Columbia	357	465	1,949	2,805	3,028	154	183	---	1,340	1,861
Virginia	6,628	7,059	45,690	45,754	47,169	2,276	2,398	19,349	18,622	18,122
West Virginia	1,178	1,529	8,266	8,399	8,611	729	704	6,206	6,437	6,137
North Carolina	4,270	4,574	32,609	33,038	34,827	2,989	3,002	24,547	22,670	23,105
South Carolina	4,396	5,227	36,002	35,967	37,830	1,269	1,239	10,680	9,746	10,955
Georgia	6,296	4,710	37,488	46,762	48,647	4,350	3,616	24,743	28,819	27,278
Florida	11,318	11,415	93,989	93,813	96,503	6,509	6,836	57,318	55,890	54,741
East South Central	14,749	17,170	120,569	123,703	122,333	7,712	8,193	66,445	64,135	62,756
Kentucky	4,181	4,657	32,590	32,583	34,542	1,809	1,865	16,017	14,482	14,749
Tennessee	6,242	6,934	47,008	46,857	42,162	2,710	3,369	22,161	22,233	20,496
Alabama	2,239	3,553	25,570	28,630	29,250	1,884	2,338	17,866	18,645	17,045
Mississippi	2,087	2,026	15,401	15,633	16,379	1,309	621	10,401	8,775	10,466
West South Central	27,826	30,024	198,346	201,659	193,499	111,957	111,734	198,906	1104,520	192,770
Arkansas	3,615	3,290	24,610	26,159	23,612	1,637	1,353	12,188	12,504	11,440
Louisiana	3,051	5,506	24,050	24,143	25,412	---	---	---	---	---
Oklahoma	2,853	3,322	21,861	22,426	22,615	1,981	2,079	16,899	15,957	17,476
Texas <sup>3</sup>	18,307	17,906	127,825	128,931	121,860	8,339	8,302	69,819	76,059	63,854
Mountain	17,284	24,432	165,032	164,858	171,951	16,156	16,644	152,220	149,662	59,145
Montana	1,110	1,007	5,014	5,046	4,817	327	392	2,871	2,919	2,759
Idaho	1,635	1,926	9,952	9,404	10,297	566	708	4,494	4,376	4,436
Wyoming	625	588	3,285	3,273	3,356	260	289	2,122	2,163	2,078
Colorado	---	4,492	---	23,424	21,864	1,483	1,665	12,763	12,686	12,607
New Mexico <sup>4,5</sup>	1,232	1,294	9,150	9,054	9,102	666	801	6,451	5,768	5,232
Arizona <sup>2</sup>	3,116	2,760	24,280	24,584	24,845	2,180	2,116	17,190	16,176	17,297
Utah	2,185	2,230	13,351	12,163	12,939	674	673	6,329	5,574	5,783
Nevada	7,381	10,135	---	77,910	84,731	---	---	---	---	8,953
Pacific	11,652	11,178	159,878	165,466	213,311	14,174	14,995	135,013	136,137	118,721
Washington	6,391	6,694	29,291	34,426	33,449	2,677	3,038	19,022	20,097	19,409
Oregon	2,841	2,056	14,412	14,907	16,801	953	959	10,025	10,253	10,676
California	---	---	---	---	147,027	---	---	---	---	83,342
Alaska	638	654	3,979	4,205	3,837	202	448	2,542	2,407	1,971
Hawaii	1,782	1,774	12,196	11,928	12,197	342	550	3,424	3,380	3,32

<sup>1</sup>Excludes figures for State(s) shown below as not available.

<sup>2</sup>Figures for marriages are marriage licenses issued for some counties.

<sup>3</sup>Beginning with data for February 1991, figures include adjustments for varying length of reporting period, see Technical notes.

<sup>4</sup>Figures for marriages are marriage licenses issued.

<sup>5</sup>Figures for divorces include estimates for some counties.

NOTE: Figures include all revisions received from the States. Cumulative figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

**Table 4. Provisional number of deaths under 1 year and infant mortality rates: each division and State, 12 months ending with August 1991 and 1992**

[Data are estimates by State of residence; see Technical notes. Infant mortality rates are deaths under 1 year per 1,000 live births in specified area]

Area	12 months ending with August			
	1992		1991	
	Number	Rate	Number	Rate
New England	1,890	16.3	1,404	7.2
Maine	109	6.8	104	6.3
New Hampshire	89	5.5	102	6.4
Vermont	53	6.9	48	6.1
Massachusetts	529	6.0	655	7.4
Rhode Island	110	7.5	95	6.4
Connecticut	---	---	400	7.9
Middle Atlantic	12,522	18.9	5,413	9.2
New York	---	---	2,802	9.5
New Jersey	1,032	8.8	1,057	8.6
Pennsylvania	1,490	9.0	1,554	9.1
East North Central	6,280	9.5	6,724	10.1
Ohio	1,437	8.8	1,541	9.6
Indiana	795	9.4	797	9.4
Illinois	2,013	10.4	2,187	11.3
Michigan	1,507	10.3	1,616	10.5
Wisconsin	528	7.5	583	8.0
West North Central	2,225	8.4	2,279	8.6
Minnesota	494	7.4	497	7.5
Iowa	308	8.0	284	7.7
Missouri	722	9.2	787	9.9
North Dakota	82	9.2	73	7.9
South Dakota	117	10.5	96	8.8
Nebraska	186	7.9	184	7.7
Kansas	316	8.6	358	9.3
South Atlantic	15,854	19.7	7,208	10.4
Delaware	117	10.7	125	11.1
Maryland	---	---	683	8.3
District of Columbia	183	18.7	202	19.3
Virginia	826	8.4	1,017	10.3
West Virginia	192	8.6	210	9.4
North Carolina	1,073	10.4	1,098	10.6
South Carolina	611	10.8	629	10.6
Georgia	1,175	10.6	1,364	12.1
Florida	1,677	8.7	1,880	9.7
East South Central	2,346	10.1	2,339	10.0
Kentucky	429	7.9	462	8.4
Tennessee	747	10.3	711	9.9
Alabama	693	10.9	653	10.2
Mississippi	477	11.1	513	11.8
West South Central	4,043	8.3	4,087	8.5
Arkansas	345	9.8	363	10.4
Louisiana	683	9.1	748	10.3
Oklahoma	450	9.6	442	9.3
Texas <sup>2</sup>	2,565	7.8	2,534	7.8
Mountain	1,911	7.7	1,981	8.1
Montana	106	9.1	92	7.9
Idaho	122	7.0	161	9.6
Wyoming	53	7.7	52	7.6
Colorado	419	7.7	456	8.4
New Mexico	252	9.0	244	8.6
Arizona	578	8.3	561	8.1
Utah	226	6.1	246	7.0
Nevada	155	6.9	169	7.6
Pacific	14,753	17.0	5,913	7.7
Washington	---	---	570	7.6
Oregon	297	7.0	324	7.5
California <sup>3</sup>	4,233	7.0	4,795	7.7
Alaska	92	7.9	99	8.7
Hawaii	131	6.5	125	6.2

<sup>1</sup>Excludes figures for State shown below as not available.

<sup>2</sup>Beginning with data for February 1991, figures include adjustments for varying length of reporting period, see Technical notes.

<sup>3</sup>Figures for all years include adjustments for varying length of reporting period, see Technical notes.

NOTE: Figures include all revisions received from the States. Figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

**Table 5. Provisional number of deaths and death rates, by age, race, and sex, and age-adjusted death rates by race and sex: United States, July 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with July 1991 and 1992**

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population in specified group. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age, race, and sex	July				January–July				12 months ending with July			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>All races, both sexes<sup>1</sup></b>												
All ages . . . . .	180,000	829.7	178,000	828.2	1,294,000	870.1	1,280,000	871.6	2,179,000	854.1	2,150,000	852.3
Under 1 year . . . . .					20,700	<sup>2</sup> 872.0	21,900	<sup>2</sup> 920.8	35,300	<sup>2</sup> 864.9	37,400	<sup>2</sup> 901.0
1–4 years . . . . .	4,180	87.2	4,570	96.6	4,220	46.8	4,470	50.4	7,000	45.3	6,860	45.2
5–14 years . . . . .					4,910	23.0	5,060	24.1	8,560	23.4	8,690	24.1
15–24 years . . . . .	3,120	104.4	3,490	116.0	20,240	98.5	21,300	103.3	36,380	102.9	36,950	103.9
25–34 years . . . . .	5,610	154.6	5,300	143.8	33,280	133.1	34,920	138.4	57,890	134.4	59,940	137.9
35–44 years . . . . .	8,540	252.3	7,820	233.9	54,160	233.7	50,410	222.6	91,660	230.8	85,800	221.6
45–54 years . . . . .	10,700	455.7	9,530	429.9	73,050	459.6	70,230	466.0	122,600	453.3	119,380	461.7
55–64 years . . . . .	20,010	1,112.9	20,730	1,144.7	145,230	1,174.3	147,010	1,185.6	246,230	1,157.9	247,830	1,160.1
65–74 years . . . . .	38,750	2,430.5	39,410	2,487.9	282,110	2,581.5	283,890	2,628.2	477,330	2,545.6	477,690	2,573.3
75–84 years . . . . .	50,110	5,676.1	49,700	5,739.8	365,800	6,062.2	359,320	6,101.9	610,890	5,915.5	601,310	5,951.8
85 years and over . . . . .	39,040	13,333.0	37,660	13,440.9	290,300	14,595.0	280,630	14,804.8	484,580	14,273.3	466,940	14,402.8
Not stated . . . . .	80	...	110	...	460	...	500	...	940	...	1,020	...
Age-adjusted rate <sup>3</sup> . . . . .	...	494.5	...	498.2	...	511.1	...	517.6	...	504.3	...	508.0
<b>All races, male<sup>1</sup></b>												
All ages . . . . .	93,830	885.3	93,800	893.2	667,930	920.1	661,880	924.7	1,129,420	907.0	1,114,070	905.8
Under 1 year . . . . .					11,360	<sup>2</sup> 932.7	12,590	<sup>2</sup> 1,033.9	19,630	<sup>2</sup> 938.8	21,300	<sup>2</sup> 1,002.4
1–4 years . . . . .	2,310	94.1	2,710	111.9	2,390	52.0	2,310	51.0	3,930	49.7	3,670	47.2
5–14 years . . . . .					3,030	27.7	3,170	29.3	5,170	27.5	5,450	29.5
15–24 years . . . . .	2,500	164.9	2,760	181.3	15,540	149.0	16,090	154.2	27,760	154.9	28,050	156.1
25–34 years . . . . .	4,330	238.2	3,930	212.9	24,900	198.8	25,640	203.1	42,730	198.0	44,120	202.9
35–44 years . . . . .	5,850	348.6	5,600	338.3	37,340	325.0	34,490	308.0	63,570	323.0	58,650	306.4
45–54 years . . . . .	6,730	588.4	6,100	565.6	46,430	599.8	44,540	607.4	77,910	591.6	75,560	600.7
55–64 years . . . . .	11,960	1,400.7	13,200	1,537.4	88,140	1,501.4	90,770	1,545.0	149,390	1,480.3	151,880	1,500.9
65–74 years . . . . .	22,280	3,120.4	22,810	3,221.8	162,340	3,318.9	162,270	3,363.0	275,730	3,286.4	273,370	3,297.2
75–84 years . . . . .	25,230	7,426.5	24,200	7,311.7	180,370	7,782.9	176,390	7,846.9	302,480	7,628.8	296,940	7,706.7
85 years and over . . . . .	12,560	15,287.5	12,410	15,865.1	95,790	17,188.1	93,320	17,640.5	160,490	16,893.7	154,470	17,087.4
Not stated . . . . .	60	...	80	...	310	...	290	...	620	...	600	...
Age-adjusted rate <sup>3</sup> . . . . .	...	642.0	...	656.4	...	661.2	...	671.1	...	654.0	...	659.0
<b>All races, female<sup>1</sup></b>												
All ages . . . . .	86,330	777.0	84,510	766.4	626,400	822.8	617,770	821.2	1,049,970	803.9	1,035,760	800.9
Under 1 year . . . . .					9,400	<sup>2</sup> 809.3	9,320	<sup>2</sup> 802.2	15,700	<sup>2</sup> 787.4	16,120	<sup>2</sup> 795.3
1–4 years . . . . .	1,860	79.6	1,850	80.1	1,830	41.5	2,150	49.8	3,060	40.6	3,190	43.0
5–14 years . . . . .					1,890	18.1	1,900	18.5	3,390	19.0	3,240	18.4
15–24 years . . . . .	620	42.1	720	48.4	4,710	46.4	5,210	51.1	8,610	49.4	8,900	50.6
25–34 years . . . . .	1,280	70.7	1,370	74.4	8,380	67.1	9,280	73.5	15,160	70.5	15,820	72.8
35–44 years . . . . .	2,690	157.6	2,220	131.5	16,820	143.8	15,910	139.2	28,090	140.2	27,150	138.7
45–54 years . . . . .	3,970	329.6	3,430	301.4	26,620	326.3	25,690	332.0	44,690	322.0	43,830	330.1
55–64 years . . . . .	8,060	853.6	7,530	790.6	57,090	879.0	56,240	862.2	96,840	866.6	95,940	853.4
65–74 years . . . . .	16,470	1,871.0	16,610	1,896.0	119,770	1,984.0	121,620	2,035.4	201,590	1,945.7	204,310	1,989.0
75–84 years . . . . .	24,880	4,582.6	25,500	4,768.0	185,230	4,988.1	182,930	5,024.8	308,410	4,846.9	304,370	4,869.9
85 years and over . . . . .	26,470	12,561.0	25,250	12,502.0	194,510	13,581.0	187,320	13,706.3	324,090	13,255.2	312,470	13,364.8
Not stated . . . . .	20	...	30	...	150	...	210	...	320	...	420	...
Age-adjusted rate <sup>3</sup> . . . . .	...	370.7	...	365.0	...	386.5	...	391.1	...	380.2	...	383.4
<b>White</b>												
All ages . . . . .	154,080	849.7	153,250	849.9	1,115,310	897.1	1,105,740	898.7	1,877,910	880.2	1,862,310	880.3
Under 1 year . . . . .					13,440	<sup>2</sup> 716.6	14,380	<sup>2</sup> 763.8	22,890	<sup>2</sup> 711.3	25,160	<sup>2</sup> 765.9
1–4 years . . . . .	2,800	73.6	3,070	81.4	2,920	40.8	3,030	43.0	4,860	39.6	4,870	40.2
5–14 years . . . . .					3,640	21.4	3,730	22.1	6,230	21.3	6,590	22.8
15–24 years . . . . .	2,120	88.1	2,440	100.4	14,100	85.2	15,560	93.2	25,750	90.4	27,080	94.1
25–34 years . . . . .	4,110	136.6	3,810	124.2	23,570	113.6	24,840	118.3	41,100	114.9	42,730	118.0
35–44 years . . . . .	6,090	212.6	5,850	205.9	39,130	199.3	37,140	192.8	66,220	196.7	63,870	193.9
45–54 years . . . . .	8,240	407.7	7,380	387.3	56,990	416.7	55,410	427.6	95,210	409.2	94,440	424.7
55–64 years . . . . .	16,410	1,054.5	17,040	1,083.4	119,510	1,115.5	121,770	1,130.0	202,510	1,098.6	206,180	1,109.9
65–74 years . . . . .	33,680	2,384.5	33,980	2,415.0	245,620	2,535.3	246,680	2,569.5	415,260	2,496.9	416,130	2,521.2
75–84 years . . . . .	44,880	5,633.4	44,900	5,740.1	329,160	6,045.7	324,060	6,090.5	551,000	5,909.5	543,020	5,946.3
85 years and over . . . . .	35,700	13,487.7	34,710	13,691.2	266,910	14,840.4	258,700	15,075.6	446,180	14,533.6	431,420	14,694.1
Not stated . . . . .	60	...	80	...	330	...	430	...	710	...	810	...
Age-adjusted rate <sup>3</sup> . . . . .	...	467.2	...	472.4	...	486.1	...	493.9	...	479.4	...	486.3

See footnotes at end of table.

**Table 5. Provisional number of deaths and death rates, by age, race, and sex, and age-adjusted death rates by race and sex: United States, July 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with July 1991 and 1992—Con.**

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population in specified group. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age, race, and sex	July				January–July				12 months ending with July			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
White male												
All ages . . . . .	79,670	896.5	79,670	902.3	569,720	935.3	566,740	940.9	963,390	921.7	956,600	924.0
Under 1 year . . . . .					7,300	<sup>2</sup> 760.4	8,280	<sup>2</sup> 858.2	12,800	<sup>2</sup> 775.3	14,450	<sup>2</sup> 857.6
1–4 years . . . . .	} 1,590	81.5	1,810	93.6	1,690	46.1	1,600	44.3	2,800	44.6	2,690	43.4
5–14 years . . . . .					2,290	26.0	2,310	26.8	3,840	25.6	4,120	27.8
15–24 years . . . . .					1,680	137.4	1,860	150.8	10,680	126.8	11,670	137.9
25–34 years . . . . .	3,200	210.4	2,770	178.7	18,000	171.5	18,350	172.9	30,800	170.4	31,780	173.8
35–44 years . . . . .	4,310	300.1	4,210	295.8	27,650	281.0	25,670	266.3	46,970	278.4	44,000	267.0
45–54 years . . . . .	5,220	524.4	4,630	494.0	36,560	543.1	35,300	553.8	61,050	533.0	59,700	545.9
55–64 years . . . . .	9,990	1,341.7	10,990	1,463.1	73,300	1,430.5	76,050	1,478.4	123,830	1,405.1	128,220	1,446.5
65–74 years . . . . .	19,480	3,067.8	19,850	3,144.7	141,990	3,261.9	142,220	3,303.8	241,060	3,227.0	239,670	3,239.2
75–84 years . . . . .	22,650	7,385.1	22,140	7,407.8	162,450	7,764.9	159,490	7,857.1	273,400	7,639.0	269,130	7,733.6
85 years and over . . . . .	11,510	15,710.1	11,350	16,257.5	87,600	17,613.2	85,550	18,104.8	146,930	17,326.7	141,990	17,573.0
Not stated . . . . .	40	...	60	...	220	...	240	...	470	...	470	...
Age-adjusted rate <sup>3</sup> . . . . .	...	608.4	...	620.1	...	629.0	...	640.8	...	622.0	...	631.2
White female												
All ages . . . . .	74,410	804.8	73,590	799.7	545,580	860.5	539,000	858.1	914,520	840.4	905,710	838.4
Under 1 year . . . . .					6,130	<sup>2</sup> 670.4	6,090	<sup>2</sup> 665.5	10,090	<sup>2</sup> 643.9	10,710	<sup>2</sup> 669.4
1–4 years . . . . .	} 1,210	65.3	1,250	68.1	1,220	35.3	1,430	41.3	2,050	34.3	2,180	36.9
5–14 years . . . . .					1,360	16.4	1,420	17.4	2,390	16.8	2,470	17.6
15–24 years . . . . .					440	37.2	580	48.4	3,420	42.1	3,890	47.3
25–34 years . . . . .	900	60.5	1,030	67.9	5,570	54.2	6,500	62.3	10,310	58.3	10,950	61.1
35–44 years . . . . .	1,790	125.4	1,640	115.6	11,480	117.3	11,470	119.3	19,260	114.7	19,870	120.7
45–54 years . . . . .	3,020	294.4	2,750	284.0	20,420	294.1	20,110	305.4	34,160	289.1	34,730	307.3
55–64 years . . . . .	6,420	791.0	6,050	736.3	46,210	826.9	45,710	811.5	78,680	817.9	77,960	802.6
65–74 years . . . . .	14,200	1,826.5	14,130	1,821.2	103,640	1,942.4	104,470	1,972.6	174,200	1,901.5	176,470	1,938.0
75–84 years . . . . .	22,230	4,536.9	22,770	4,710.9	166,710	4,973.0	164,570	5,000.7	277,600	4,832.0	273,890	4,845.9
85 years and over . . . . .	24,180	12,631.9	23,360	12,715.9	179,310	13,779.3	173,150	13,924.7	299,250	13,467.6	289,430	13,601.0
Not stated . . . . .	20	...	20	...	110	...	190	...	240	...	340	...
Age-adjusted rate <sup>3</sup> . . . . .	...	348.8	...	348.9	...	367.4	...	372.9	...	361.3	...	366.9
Black												
All ages . . . . .	22,940	839.1	22,240	826.3	159,260	851.9	155,460	848.6	268,670	838.8	257,800	819.6
Under 1 year . . . . .					6,630	<sup>2</sup> 1,669.2	6,840	<sup>2</sup> 1,752.0	11,330	<sup>2</sup> 1,671.1	11,230	<sup>2</sup> 1,651.5
1–4 years . . . . .	} 1,230	161.7	1,370	183.8	1,120	77.0	1,300	93.5	1,810	73.4	1,750	73.5
5–14 years . . . . .					1,100	32.8	1,110	33.4	2,030	35.3	1,710	30.3
15–24 years . . . . .					820	181.7	950	211.0	5,290	170.8	5,100	165.2
25–34 years . . . . .	1,370	288.7	1,350	282.6	8,730	267.5	9,010	276.5	15,060	268.3	15,450	275.8
35–44 years . . . . .	2,250	580.6	1,730	462.4	13,510	512.7	12,030	476.3	23,000	510.5	19,800	459.8
45–54 years . . . . .	2,120	877.3	1,940	836.7	14,350	873.2	13,400	848.1	24,500	874.1	22,610	834.3
55–64 years . . . . .	3,200	1,718.9	3,240	1,749.1	23,120	1,811.2	22,680	1,794.3	39,290	1,793.2	37,770	1,738.2
65–74 years . . . . .	4,460	3,134.3	4,920	3,521.5	32,440	3,334.8	33,440	3,519.8	55,110	3,309.9	55,460	3,404.5
75–84 years . . . . .	4,540	6,802.2	4,200	6,397.4	32,110	7,038.9	31,310	7,011.1	52,910	6,766.0	51,780	6,759.8
85 years and over . . . . .	2,920	12,768.5	2,500	11,409.1	20,730	13,390.6	19,180	12,979.1	34,080	12,909.1	31,290	12,367.6
Not stated . . . . .	20	...	30	...	120	...	60	...	210	...	190	...
Age-adjusted rate <sup>3</sup> . . . . .	...	741.6	...	739.5	...	750.6	...	751.5	...	742.9	...	727.8
Black male												
All ages . . . . .	12,350	950.0	12,590	985.2	86,930	978.3	84,480	971.7	147,070	966.1	140,330	940.5
Under 1 year . . . . .					3,650	<sup>2</sup> 1,812.7	3,960	<sup>2</sup> 1,998.7	6,170	<sup>2</sup> 1,793.6	6,250	<sup>2</sup> 1,811.6
1–4 years . . . . .	} 660	170.4	810	213.6	590	80.4	650	90.4	950	75.7	830	68.5
5–14 years . . . . .					680	40.4	730	43.6	1,200	41.0	1,150	40.0
15–24 years . . . . .					690	307.6	840	376.9	4,240	275.8	3,980	260.6
25–34 years . . . . .	1,040	462.8	1,020	451.8	6,230	402.6	6,450	418.7	10,710	403.2	11,000	416.4
35–44 years . . . . .	1,400	787.5	1,250	730.4	8,740	723.1	8,050	698.0	15,030	728.2	13,330	678.0
45–54 years . . . . .	1,280	1,187.1	1,330	1,285.7	8,800	1,202.4	8,390	1,190.8	15,080	1,205.4	14,440	1,193.4
55–64 years . . . . .	1,690	2,001.3	1,980	2,354.8	13,360	2,308.8	13,270	2,313.2	23,090	2,322.9	21,580	2,188.6
65–74 years . . . . .	2,510	4,065.0	2,740	4,537.4	18,120	4,295.9	17,890	4,359.0	30,650	4,245.2	30,150	4,288.8
75–84 years . . . . .	2,170	8,655.4	1,750	7,105.1	15,470	9,020.3	14,600	8,702.6	25,120	8,544.2	24,090	8,393.7
85 years and over . . . . .	880	12,987.1	830	12,691.7	6,960	15,194.3	6,450	14,589.8	11,570	14,833.3	10,530	13,855.3
Not stated . . . . .	20	...	20	...	80	...	50	...	140	...	120	...
Age-adjusted rate <sup>3</sup> . . . . .	...	960.8	...	1,007.7	...	989.2	...	984.4	...	979.8	...	956.1

See footnotes at end of table.



**Table 5. Provisional number of deaths and death rates, by age, race, and sex, and age-adjusted death rates by race and sex: United States, July 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with July 1991 and 1992—Con.**

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population in specified group. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age, race, and sex	July				January–July				12 months ending with July			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>Black female</b>												
All ages . . . . .	10,590	738.6	9,650	682.6	72,320	737.3	70,990	737.5	121,600	723.5	117,460	710.5
Under 1 year . . . . .					2,970	<sup>2</sup> 1,516.5	2,870	<sup>2</sup> 1,497.9	5,160	<sup>2</sup> 1,544.9	4,980	<sup>2</sup> 1,486.6
1–4 years . . . . .	} 570	152.6	560	153.0	530	74.9	650	93.8	860	71.1	920	78.7
5–14 years . . . . .					420	25.5	380	23.5	830	29.4	570	20.6
15–24 years . . . . .	130	57.3	110	48.4	1,050	67.3	1,130	71.2	2,000	74.6	1,880	70.0
25–34 years . . . . .	330	132.1	330	131.0	2,510	146.0	2,560	149.3	4,350	147.1	4,460	150.7
35–44 years . . . . .	850	405.3	480	236.5	4,770	333.9	3,990	290.4	7,970	326.5	6,470	276.5
45–54 years . . . . .	840	627.7	610	475.0	5,550	607.8	5,010	574.3	9,420	607.0	8,170	544.7
55–64 years . . . . .	1,510	1,484.4	1,250	1,235.7	9,760	1,397.9	9,410	1,361.7	16,200	1,353.4	16,190	1,363.9
65–74 years . . . . .	1,950	2,420.9	2,170	2,735.5	14,320	2,598.6	15,550	2,879.8	24,450	2,592.8	25,310	2,733.3
75–84 years . . . . .	2,360	5,663.2	2,440	5,948.0	16,640	5,839.2	16,710	5,981.4	27,790	5,694.7	27,690	5,780.8
85 years and over . . . . .	2,040	12,676.4	1,670	10,863.5	13,770	12,641.4	12,730	12,272.0	22,510	12,102.2	20,760	11,728.8
Not stated . . . . .	—	...	10	...	40	...	10	...	70	...	70	...
Age-adjusted rate <sup>3</sup> . . . . .	...	564.0	...	515.8	...	560.6	...	564.6	...	554.0	...	545.6

<sup>1</sup>Includes races other than white and black.

<sup>2</sup>Death rates under 1 year (based on population estimates) differ from infant mortality rates (based on live births); see table 8 for infant mortality rates.

<sup>3</sup>For method of computation, see Technical notes.

NOTE: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Data include adjustments for Maryland, which is not included in the sample for July 1992.

**Table 6. Provisional number of deaths and death rates for 72 selected causes and Human immunodeficiency virus infection: United States, July 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with July 1991 and 1992**

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes. For explanation of the asterisk preceding cause-of-death codes, see Technical notes]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	July		July		January–July		January–July		12 months ending with July		12 months ending with July	
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All causes . . . . .	180,000	829.7	178,000	828.2	1,294,000	870.1	1,280,000	871.6	2,179,000	854.1	2,150,000	852.3
Shigellosis and amebiasis . . . . .	—	*	—	*	—	*	20	*	—	*	20	*
Certain other intestinal infections . . . . .	30	*	50	*	440	0.3	410	0.3	690	0.3	580	0.2
Tuberculosis . . . . .	150	0.7	140	0.6	770	0.5	990	0.7	1,410	0.6	1,710	0.7
Tuberculosis of respiratory system . . . . .	110	0.5	90	*	600	0.4	740	0.5	1,070	0.4	1,320	0.5
Other tuberculosis . . . . .	40	*	50	*	170	0.1	250	0.2	340	0.1	390	0.2
Whooping cough . . . . .	—	*	—	*	—	*	—	*	—	*	—	*
Streptococcal sore throat, scarlatina, and erysipelas . . . . .	—	*	—	*	—	*	—	*	10	*	—	*
Meningococcal infection . . . . .	—	*	10	*	110	0.1	160	0.1	210	0.1	260	0.1
Septicemia . . . . .	1,610	7.4	1,550	7.2	11,990	8.1	11,270	7.7	20,140	7.9	19,150	7.6
Acute poliomyelitis . . . . .	—	*	—	*	—	*	10	*	—	*	10	*
Measles . . . . .	—	*	—	*	—	*	10	*	10	*	30	*
Viral hepatitis . . . . .	140	0.6	170	0.8	1,060	0.7	1,120	0.8	1,860	0.7	1,760	0.7
Syphilis . . . . .	—	*	10	*	60	*	60	*	130	0.1	120	0.0
All other infectious and parasitic diseases <sup>1</sup> . . . . .	3,310	15.2	3,150	14.6	22,200	14.9	20,040	13.6	37,170	14.6	32,640	12.9
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . .	45,230	208.3	43,410	201.6	302,950	203.7	300,800	204.9	518,390	203.2	514,150	203.8
Malignant neoplasms of lip, oral cavity, and pharynx . . . . .	670	3.1	520	2.4	4,540	3.0	4,410	3.0	7,670	3.0	7,640	3.0
Malignant neoplasms of digestive organs and peritoneum . . . . .	10,850	50.0	10,010	46.5	70,990	47.7	69,830	47.6	121,320	47.6	121,380	48.1
Malignant neoplasms of respiratory and intrathoracic organs . . . . .	12,530	57.7	12,580	58.4	87,740	59.0	85,920	58.5	150,360	58.9	146,000	57.9
Malignant neoplasm of breast . . . . .	3,760	17.3	3,970	18.4	26,290	17.7	26,610	18.1	44,060	17.3	45,190	17.9
Malignant neoplasms of genital organs . . . . .	4,990	23.0	5,420	25.2	34,130	22.9	34,890	23.8	58,510	22.9	59,360	23.5
Malignant neoplasms of urinary organs . . . . .	1,950	9.0	1,720	8.0	13,220	8.9	12,490	8.5	21,640	8.5	21,040	8.3
Malignant neoplasms of all other and unspecified sites . . . . .	5,390	24.8	5,030	23.4	36,450	24.5	37,360	25.4	63,410	24.9	63,270	25.1
Leukemia . . . . .	1,960	9.0	1,590	7.4	11,120	7.5	11,230	7.6	19,480	7.6	19,150	7.6
Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . .	3,110	14.3	2,570	11.9	18,460	12.4	18,060	12.3	31,940	12.5	31,110	12.3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature . . . . .	720	3.3	670	3.1	4,430	3.0	4,640	3.1	7,670	3.0	7,790	3.1
Diabetes mellitus . . . . .	4,190	19.3	4,060	18.9	30,450	20.5	29,490	20.1	50,820	19.9	48,850	19.4
Nutritional deficiencies . . . . .	240	1.1	230	1.1	1,800	1.2	1,790	1.2	3,160	1.2	3,020	1.2
Anemias . . . . .	360	1.7	470	2.2	2,320	1.6	2,340	1.6	4,120	1.6	4,070	1.6
Meningitis . . . . .	50	*	50	*	470	0.3	460	0.3	740	0.3	870	0.3
Major cardiovascular diseases . . . . .	74,170	341.7	73,730	342.5	545,980	367.1	540,940	368.5	913,820	358.2	907,200	359.6
Diseases of heart . . . . .	58,070	267.5	57,700	268.0	430,410	289.4	426,120	290.3	719,820	282.1	713,880	282.9
Rheumatic fever and rheumatic heart disease . . . . .	500	2.3	480	2.2	3,570	2.4	3,890	2.6	5,680	2.2	6,350	2.5
Hypertensive heart disease . . . . .	1,830	8.4	1,760	8.2	12,970	8.7	12,810	8.7	21,590	8.5	21,020	8.3
Hypertensive heart and renal disease . . . . .	230	1.1	160	0.7	1,350	0.9	1,260	0.8	2,130	0.8	2,080	0.8
Ischemic heart disease . . . . .	38,220	176.0	38,090	176.9	286,070	192.3	284,310	193.7	479,440	187.9	478,450	189.6
Acute myocardial infarction . . . . .	17,780	81.9	18,280	84.9	137,740	92.6	138,360	94.3	232,610	91.2	234,320	92.9
Other acute and subacute forms of ischemic heart disease . . . . .	250	1.1	230	1.1	1,800	1.2	1,740	1.2	3,110	1.2	2,930	1.2
Angina pectoris . . . . .	120	0.5	90	*	620	0.4	540	0.4	970	0.4	820	0.3
Old myocardial infarction and other forms of chronic ischemic heart disease . . . . .	412,414	20.080	19,490	90.5	145,910	98.1	143,670	97.9	242,750	95.1	240,370	95.3
Other diseases of endocardium . . . . .	1,060	4.9	1,080	5.0	9,000	6.0	8,250	5.6	14,260	5.6	13,260	5.3
All other forms of heart disease . . . . .	16,230	74.8	16,120	74.9	117,460	79.0	115,600	78.7	196,720	77.1	192,720	76.4
Hypertension with or without renal disease . . . . .	1,040	4.8	620	2.9	5,710	3.8	5,140	3.5	9,130	3.6	8,740	3.5
Cerebrovascular diseases . . . . .	11,930	54.9	11,920	55.4	85,870	57.7	85,180	58.0	143,470	56.2	142,670	56.5
Intracerebral and other intracranial hemorrhage . . . . .	1,720	7.9	1,590	7.4	12,440	8.4	11,850	8.1	21,010	8.2	19,510	7.7
Cerebral thrombosis and unspecified occlusion of cerebral arteries . . . . .	1,330	6.1	1,240	5.8	9,050	6.1	10,890	7.4	15,610	6.1	17,750	7.0
Cerebral embolism . . . . .	70	*	80	*	420	0.3	480	0.3	630	0.2	770	0.3
All other and late effects of cerebrovascular diseases . . . . .	8,800	40.5	9,000	41.8	63,960	43.0	61,970	42.2	106,220	41.6	104,630	41.5

Atherosclerosis . . . . .	.440	1,290	5.9	1,350	6.3	9,510	6.4	10,160	6.9	16,400	6.4	17,010	6.7
Other diseases of arteries, arterioles, and capillaries . . . . .	.441-448	1,830	8.4	2,140	9.9	14,470	9.7	14,330	9.7	24,990	9.8	24,910	9.9
Acute bronchitis and bronchiolitis . . . . .	.466	20	*	50	*	300	0.2	370	0.2	510	0.2	480	0.2
Pneumonia and influenza . . . . .	.480-487	5,560	25.6	5,010	23.3	48,390	32.5	46,730	31.8	76,570	30.0	74,210	29.4
Pneumonia . . . . .	.480-486	5,560	25.6	5,000	23.2	47,310	31.8	46,210	31.5	75,030	29.4	73,580	29.2
Influenza . . . . .	.487	—	*	10	*	1,080	0.7	530	0.3	1,540	0.6	630	0.2
Chronic obstructive pulmonary diseases and allied conditions . . . . .	.490-496	6,510	30.0	6,690	31.1	56,880	38.2	55,220	37.6	90,420	35.4	86,690	34.4
Bronchitis, chronic and unspecified . . . . .	.490-491	220	1.0	250	1.2	2,480	1.7	2,320	1.6	3,900	1.5	3,460	1.4
Emphysema . . . . .	.492	1,200	5.5	1,270	5.9	10,080	6.8	10,070	6.9	16,530	6.5	15,930	6.3
Asthma . . . . .	.493	380	1.7	440	2.0	3,010	2.0	2,740	1.9	4,790	1.9	4,240	1.7
Other chronic obstructive pulmonary diseases and allied conditions . . . . .	.494-496	4,720	21.7	4,730	22.0	41,310	27.8	40,090	27.3	65,210	25.6	63,060	25.0
Ulcer of stomach and duodenum . . . . .	.531-533	440	2.0	450	2.1	3,470	2.3	3,760	2.6	5,840	2.3	6,100	2.4
Appendicitis . . . . .	.540-543	20	*	30	*	220	0.1	330	0.2	360	0.1	540	0.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia . . . . .	.550-553,560	510	2.3	530	2.5	3,350	2.2	3,410	2.3	5,730	2.2	5,820	2.3
Chronic liver disease and cirrhosis . . . . .	.571	2,130	9.8	1,990	9.2	14,260	9.6	14,370	9.8	24,580	9.6	24,900	9.9
Cholelithiasis and other disorders of gallbladder . . . . .	.574-575	350	1.6	280	1.3	1,930	1.3	1,830	1.2	3,120	1.2	3,110	1.2
Nephritis and nephrotic syndrome, and nephrosis . . . . .	.580-589	1,730	8.0	1,840	8.5	13,640	9.2	13,200	9.0	23,320	9.1	21,900	8.7
Acute glomerulonephritis and nephrotic syndrome . . . . .	.580-581	30	*	40	*	210	0.1	210	0.1	300	0.1	380	0.2
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified . . . . .	.582-583,587	70	*	60	*	930	0.6	840	0.6	1,550	0.6	1,380	0.5
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause . . . . .	.584-586,588-589	1,630	7.5	1,740	8.1	12,500	8.4	12,150	8.3	21,460	8.4	20,130	8.0
Infections of kidney . . . . .	.590	120	0.5	110	0.5	650	0.4	850	0.6	1,050	0.4	1,240	0.5
Hyperplasia of prostate . . . . .	.600	40	*	30	*	210	0.1	240	0.2	310	0.1	370	0.1
Complications of pregnancy, childbirth, and the puerperium . . . . .	.630-676	30	*	—	*	110	0.1	150	0.1	260	0.1	320	0.1
Pregnancy with abortive outcome . . . . .	.630-638	—	*	—	*	10	*	50	*	20	*	100	*
Other complications of pregnancy, childbirth, and the puerperium . . . . .	.640-676	30	*	—	*	100	*	100	*	240	0.1	220	0.1
Congenital anomalies . . . . .	.740-759	990	4.6	1,020	4.7	7,310	4.9	7,060	4.8	12,030	4.7	12,310	4.9
Certain conditions originating in the perinatal period . . . . .	.760-779	1,410	6.5	1,530	7.1	9,270	6.2	10,030	6.8	15,780	6.2	17,590	7.0
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . . . .	.767-769	310	1.4	260	1.2	1,870	1.3	2,090	1.4	3,030	1.2	3,550	1.4
Other conditions originating in the perinatal period . . . . .	.760-766,770-779	1,100	5.1	1,260	5.9	7,400	5.0	7,940	5.4	12,750	5.0	14,040	5.6
Symptoms, signs, and ill-defined conditions . . . . .	.780-799	3,170	14.6	2,780	12.9	21,200	14.3	19,800	13.5	36,490	14.3	33,770	13.4
All other diseases . . . . .	.Residual	13,860	63.8	14,250	66.2	106,070	71.3	103,790	70.7	178,470	70.0	173,250	68.7
Accidents and adverse effects . . . . .	.E800-E949	7,800	35.9	8,700	40.4	48,430	32.6	50,730	34.5	86,600	33.9	88,970	35.3
Motor vehicle accidents . . . . .	.E810-E825	3,900	18.0	4,250	19.7	23,020	15.5	24,690	16.8	42,310	16.6	45,110	17.9
All other accidents and adverse effects . . . . .	.E800-E807,E826-E949	3,900	18.0	4,450	20.7	25,420	17.1	26,040	17.7	44,280	17.4	43,850	17.4
Suicide . . . . .	.E950-E959	2,780	12.8	2,640	12.3	17,260	11.6	17,430	11.9	28,920	11.3	29,020	11.5
Homicide and legal intervention . . . . .	.E960-E978	2,290	10.5	2,570	11.9	15,180	10.2	14,740	10.0	26,650	10.4	25,170	10.0
All other external causes . . . . .	.E980-E999	200	0.9	110	0.5	1,160	0.8	1,040	0.7	2,030	0.8	1,860	0.7
Human immunodeficiency virus infection <sup>2</sup> . . . . .	*042-*044	2,720	12.5	2,590	12.0	18,310	12.3	16,430	11.2	30,710	12.0	26,490	10.5

<sup>1</sup>Includes data for deaths due to Human immunodeficiency virus infection (category numbers \*042-\*044) shown separately below; see Technical notes.

<sup>2</sup>Included in All other infectious and parasitic diseases shown above.

NOTE: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Data include adjustments for Maryland, which is not included in the sample for July 1992.

**Table 7. Provisional number of deaths and death rates for 16 selected subcategories of Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues: United States, July 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with July 1991 and 1992**

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	July		January–July				12 months ending with July					
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues <sup>1</sup> . . . . .140–208	45,230	208.3	43,410	201.6	302,950	203.7	300,800	204.9	518,390	203.2	514,150	203.8
Malignant neoplasm of esophagus . . . . .150	950	4.4	840	3.9	6,150	4.1	6,100	4.1	9,890	3.9	10,290	4.1
Malignant neoplasm of stomach . . . . .151	1,220	5.6	1,260	5.9	7,750	5.2	8,340	5.7	13,810	5.4	14,560	5.8
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus . . . . .153,154	5,100	23.5	4,570	21.2	33,690	22.6	32,090	21.9	57,240	22.4	55,630	22.0
Malignant neoplasm of pancreas . . . . .157	2,240	10.3	2,220	10.3	14,810	9.9	15,050	10.2	25,220	9.9	26,060	10.3
Malignant neoplasms of trachea, bronchus, and lung . . . . .162	12,150	56.0	12,150	56.4	85,040	57.2	82,880	56.5	145,450	57.0	140,830	55.8
Malignant melanoma of skin . . . . .172	670	3.1	520	2.4	3,960	2.7	4,210	2.9	6,810	2.7	6,820	2.7
Malignant neoplasm of cervix uteri . . . . .180	400	1.8	400	1.8	2,430	1.6	2,920	2.0	4,170	1.6	5,060	2.0
Malignant neoplasms of body of uterus and of uterus, part unspecified . . . . .179,182	540	2.5	600	2.8	3,740	2.5	3,430	2.3	6,010	2.4	5,910	2.3
Malignant neoplasm of ovary . . . . .183.0	1,090	5.0	1,320	6.1	7,320	4.9	7,710	5.2	12,700	5.0	12,640	5.0
Malignant neoplasm of prostate . . . . .185	2,820	13.0	2,920	13.6	19,540	13.1	19,740	13.4	33,720	13.2	34,070	13.5
Malignant neoplasm of bladder . . . . .188	900	4.1	840	3.9	6,580	4.4	6,110	4.2	10,780	4.2	10,450	4.1
Malignant neoplasms of kidney and other and unspecified urinary organs . . . . .189	1,050	4.8	880	4.1	6,640	4.5	6,380	4.3	10,860	4.3	10,590	4.2
Malignant neoplasms of brain and other and unspecified parts of nervous system . . . . .191,192	900	4.1	910	4.2	6,070	4.1	6,410	4.4	11,160	4.4	10,930	4.3
Hodgkin's disease . . . . .201	130	0.6	100	*	930	0.6	960	0.6	1,720	0.7	1,620	0.6
Malignant lymphoma other than Hodgkin's disease . . . . .200,202	2,050	9.4	1,740	8.1	11,900	8.0	11,830	8.0	20,450	8.0	20,110	8.0
Multiple myeloma and other immunoproliferative neoplasms . . . . .203	930	4.3	730	3.4	5,630	3.8	5,270	3.6	9,770	3.8	9,380	3.7

<sup>1</sup> Includes figures for subcategories not shown below.

NOTE: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Data include adjustments for Maryland, which is not included in the sample for July 1992.

**Table 8. Provisional number of deaths under 1 year and infant mortality rates, by age and for 10 selected causes: United States, July 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with July 1991 and 1992**

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 live births. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age and cause of death (Ninth Revision International Classification of Diseases, 1975)	July		January–July				12 months ending with July					
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total, under 1 year . . . . .	2,800	803.1	3,000	847.4	20,700	875.2	21,900	917.8	35,300	865.2	37,400	903.1
Under 28 days . . . . .	1,910	541.8	2,080	584.8	13,020	549.4	13,560	568.1	22,140	542.3	23,680	571.7
28 days to 11 months . . . . .	950	269.5	930	261.5	7,740	326.6	8,350	349.8	13,190	323.1	13,740	331.7
Certain gastrointestinal diseases . . . . .008–009,535,555–558	20	*	20	*	220	9.3	220	9.2	320	7.8	300	7.2
Pneumonia and influenza . . . . .480–487	80	*	30	*	420	17.7	440	18.4	600	14.7	630	15.2
Congenital anomalies . . . . .740–759	570	161.7	690	194.0	4,390	185.3	4,610	193.1	7,360	180.3	7,980	192.7
Disorders relating to short gestation and unspecified low birthweight . . . . .765	340	96.5	370	104.0	2,200	92.8	2,740	114.8	3,940	96.5	4,610	111.3
Birth trauma . . . . .767	10	*	–	*	100	*	60	*	190	4.7	160	3.9
Intrauterine hypoxia and birth asphyxia . . . . .768	60	*	70	*	340	14.3	460	19.3	600	14.7	720	17.4
Respiratory distress syndrome . . . . .769	230	65.2	200	56.2	1,380	58.2	1,530	64.1	2,160	52.9	2,600	62.8
Other conditions originating in the perinatal period . . . . .760–764,766,770–779	760	215.6	880	247.4	5,100	215.2	5,120	214.5	8,650	211.9	9,170	221.4
Sudden infant death syndrome . . . . .798.0	270	76.6	240	67.5	2,520	106.3	2,560	107.3	4,380	107.3	4,510	108.9
All other causes . . . . .Residual	540	153.2	540	151.8	4,110	173.4	4,170	174.7	7,110	174.2	6,730	162.5

NOTE: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Data include adjustments for Maryland, which is not included in the sample for July 1992.

## Technical notes

### Nature and sources of data

Data in this report are provisional unless otherwise specified and include only events occurring within the United States. Mortality data exclude fetal deaths.

Beginning with the January 1991 issue, birth, death, and infant death figures for all years shown in tables 2 and 4 for each State are estimates by State of residence. These estimates are derived by applying adjustment ratios to the actual counts of certificates for all events occurring in the State and received in registration offices during a 1-month period regardless of date of the event. The adjustment ratios for each data year represent the observed relationship between final State occurrence and residence figures for the 3 most recent years for which final data were available, expressed as a single ratio for each State. As in previous years, monthly State marriage and divorce figures represent the actual count of all events occurring in the State (State of occurrence) that were received in the registration offices during the 1-month period. Prior to the January 1991 issue, provisional data for all events were by State of occurrence. Delay in the receipt of certificates in a registration office may result in a low State figure for a given month followed by a high figure for the month(s) in which the delayed records are received. Data for previous months and cumulative data include revised figures received from the States.

Figures for births, deaths, and infant deaths for all years for California shown in tables 2 and 4 contain adjustments for varying length of State reporting periods. Beginning with data for February 1991, figures for Texas for all events shown in tables 2-4 are also adjusted for varying length of State reporting periods. Prior to February 1991, data for Texas were reported for monthly periods. The figures for both States are adjusted by the ratio between the number of days in the data month and the number of days in the State reporting period. The adjusted figures for California and

Texas shown in tables 2-4 are included in the U.S. totals.

Beginning with data for January 1991, U.S. totals for births, deaths, and infant deaths are based on the State estimates by State of residence (described above) and, therefore, in effect, exclude events to nonresidents of the United States. Events to nonresidents of the United States are included in all marriage and divorce figures for all years and in the U.S. birth, death, and infant death figures for 1990 and previous years. The effect of excluding events to nonresidents from the U.S. totals is small.

Provisional totals for the United States include estimates for State data shown as not available. Provisional totals for births and marriages for the entire United States include adjustments for observed differences between provisional and final monthly figures.

Divorce figures include reported annulments. The monthly national divorce estimate is obtained by multiplying the total for the reporting areas by the ratio observed between the most recent final annual divorce total for the United States and the provisional total for the reporting areas combined.

*Random variation*—Although the counts in this report are not subject to sampling variability (except the Current Mortality Sample, see below), they may be affected by random variation. When the number of events is small and the probability of such an event is small, considerable caution must be observed in interpreting the data. Such infrequent events may be assumed to follow a Poisson probability distribution. For this distribution a simple approximation may be used to estimate the random variation, as follows:

If  $N$  is the number of events in the population and  $R$  is the corresponding rate, the chances are 19 in 20 that

$$1. N - 2\sqrt{N} \text{ and } N + 2\sqrt{N}$$

covers the "true" number of events.

$$2. R - 2 \frac{R}{\sqrt{N}} \text{ and } R + 2 \frac{R}{\sqrt{N}}$$

covers the "true" rate.

If the rate  $R_1$  corresponding to  $N_1$  events is compared with the rate  $R_2$  corresponding to  $N_2$  events, the difference between the two rates may be regarded as statistically significant at the 0.05 level if it exceeds

$$2 \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

Additional information on random variation in numbers of events, rates, and ratios may be found in the technical appendixes of *Vital Statistics of the United States, 1988*, Volumes I and II.

### Rates

Rates are on an annual basis and, except for infant mortality rates, are per 1,000 or 100,000 estimated population residing in the United States. The populations used for computing these rates are furnished by the U.S. Bureau of the Census. The population estimates are based on the 1980 Census of Population and do not reflect the results of the 1990 census enumeration. Monthly rates are based on populations estimated for the specific month. Year-to-date rates are averages of the monthly rates weighted by the number of days in each respective month. Rates for 12-month periods are the sum of events for the period per population estimated at the midpoint of the period.

Infant mortality rates are infant deaths for the specified period (monthly, year-to-date, 12-month period) per 1,000 or 100,000 live births. Births used for computing monthly and year-to-date infant mortality rates are adjusted for monthly variation in the number of births; births used to compute 12-month rates do not contain this adjustment. Births used for computing infant mortality rates are not corrected for observed differences between provisional and final monthly figures as described in section on Nature and sources of data. Because monthly infant mortality rates are based on relatively few events, they are highly variable. Therefore, comparisons between monthly infant

mortality rates should be interpreted cautiously; see section on Random variation.

The age-adjusted rates presented in this report are computed by the direct method, that is, by applying the age-specific death rates to the standard population distributed by age. Age groups shown in table 5 were used to compute the age-adjusted rates shown in that table. The age-adjusted rates upon which the State maps are based were computed from age-specific rates in 10-year age groups. In both instances the total population as enumerated in 1940 was selected as the standard. It is important not to compare age-adjusted death rates with crude rates.

**Current Mortality Sample**

The Current Mortality Sample (CMS) is a 10-percent systematic sample of death certificates drawn each month after the certificates are counted in the State registration offices. Deaths and death rates by age, race, sex, and cause are based on the sample. Because of the additional time required to select and process the certificates, data based on the CMS are published 1 month after publication of the U.S. and State counts. Complete information concerning the underlying cause of death is sometimes not available when the sample is drawn. As a result, estimates based on sample counts for certain causes are biased. Correction for bias is shown in the annual summary (issue No. 13 in this series) for each year.

Estimated numbers of deaths and death rates based on the sample were proportionately adjusted to be consistent with estimates based on the count of death certificates received in State registration offices.

*HIV infection*—Beginning with data for 1987, NCHS introduced category numbers \*042–\*044 for classifying and coding human immunodeficiency virus infection (HIV infection), formerly referred to as human T-cell lymphotropic virus-III/lymphadenopathy-associated virus (HTLV-III/LAV) infection. The asterisk before the category numbers indicates that these codes are not part of the Ninth

Revision of the International Classification of Diseases (ICD-9). Deaths classified to these categories are included in All other infectious and parasitic diseases in the List of 72 Selected Causes of Death as well as shown separately at the bottom of table 6.

*Sampling variability*—Because the estimates of deaths and death rates presented in this report (with the exception of total deaths and deaths under 1 year) are based on a sample of death certificates, they are subject to sampling variability. The estimated relative standard error shown in the table is a measure of the sampling error of the estimated number of deaths (or of the estimated death rate) expressed as a percent of the estimate. The first column refers to monthly estimates; the second to annual; cumulative year-to-date totals will be between the two.

The chances are about 2 out of 3 that the percent difference between an estimate and the result of a complete count is less than the percent shown. The chances are about 19 out of 20 that the percent difference is less than twice the percent shown. Figures based on 100 or fewer estimated deaths have relative standard errors of 30 percent or more and are, therefore, considered unreliable. Rates based on 100 or fewer estimated deaths are indicated by an “\*”

**Relative standard errors for estimated numbers of deaths from the Current Mortality Sample expressed as a percent of the estimate**

Estimated number of deaths	Relative standard error of estimate (as percent)	
	170,000 estimated deaths each month	2,000,000 estimated deaths each year
10	94.9	94.9
20	67.1	67.1
50	42.4	42.4
100	30.0	30.0
200	21.2	21.2
500	13.4	13.4
1,000	9.5	9.5
2,000	6.7	6.7
5,000	4.2	4.2
10,000	2.9	3.0
20,000	2.0	2.1
50,000	1.1	1.3
100,000	0.6	0.9
200,000	...	0.6
500,000	...	0.4
1,000,000	...	0.2

Unless otherwise specified, comparisons made in the text between death rates based on the CMS were statistically significant at the 0.05 level of significance. Lack of comment in the text about any two rates does not mean that the difference was tested and found not to be significant at this level.

*Mortality Surveillance System*—The Mortality Surveillance System charts are based entirely on monthly provisional data from the Current Mortality Sample (CMS). Where sample size permits, age-race-sex comparisons are made for the causes of death. Where sample size is too small, only age-sex comparisons are made. A time series regression model of the following form was used:

$$Y(t) = A_0 + A_1t + A_2t^2 + C \cos (2\pi t / 12) + S \sin (2\pi t / 12) + \epsilon_t$$

where

$Y(t)$  = monthly death rate at time  $t$

$t$  = month number

$A_0$  = coefficient, which, together with  $C$  determines the  $Y$ -intercept

$A_1$  = coefficient of  $t$

$A_2$  = coefficient of  $t^2$

$C, S$  = coefficients of the harmonic terms

$\epsilon_t$  = error terms, assumed to be independent and normally distributed with means 0 and constant variances,

and  $\cos (2\pi t / 12)$  and  $\sin (2\pi t / 12)$  are 12-month period harmonic functions.

The coefficients of this model were estimated using provisional monthly death rates from January 1982 through the month that is 12 months prior to the latest month shown in the chart. The graph of the estimated equation and 95-percent prediction intervals is shown from January 1985 through the month that is 12 months prior to the latest month shown in the chart; the graph for the subsequent 12 months is projected (1). Symbols in each chart represent actual monthly death rates based on the CMS. In some cases the data are transformed by the natural

logarithm before fitting the model. For graphical purposes the data are transformed back to rates by the inverse of the natural logarithm. This procedure has the advantage of avoiding negative prediction intervals for the model. The models, parameter estimates, and statistical tests for lack of fit are available upon request for the charts published in the Mortality Surveillance System. Time series regression models have previously been used to describe trends in mortality data (2-4). A list of cause-of-death topics is presented in the table on the back of this report.

### State Maps

Unlike other data presented in this report, the State maps are based on final instead of provisional data. The age-adjusted death rates used to produce the State maps were computed by using a 3-year total number of deaths for 1987-89 and the 1988 population estimated as of July 1, 1988 (5). The assignment of the States into the given shadings on the maps was carried out in two steps: a) determining whether the State age-adjusted death rate differed significantly from the corresponding U.S. rate at the .05 level of significance; b) then grouping the State rates found to be significantly different from the U.S. rate into the four categories: 10 highest State rates of those significantly greater than the U.S. rate, remaining State rates significantly greater than the U.S. rate, 10 lowest State rates of those significantly lower than the U.S. rate, and remaining State rates significantly lower than the U.S. rate. Age-adjusted death rates and the corresponding 95-percent

confidence intervals are shown in the table. The symbols "†" and "††" shown in the table are used to denote State rates that differ significantly from the U.S. rate at the .05 and .01 levels of significance, respectively. Different procedures were used to determine tests of statistical significance and confidence intervals, depending upon the number of deaths.

For 50 or more deaths, the standard normal Z statistic was used to perform the significance test:

$$Z = (R'_s - R'_{us}) / \sqrt{S^2(R'_s) + S^2(R'_{us})}$$

where

$R'_s$  = age-adjusted rate for 1987-89 for the given State per 100,000 population

$R'_{us}$  = age-adjusted rate for 1987-89 for the U.S. per 100,000 population

$S^2(R'_s)$  = estimated variance of the age-adjusted death rate for 1987-89 for the State

$S^2(R'_{us})$  = estimated variance of the age-adjusted death rate for 1987-89 for the U.S.

The variance of the age-adjusted death rate was computed in terms of the variances of age-specific death rates (6) under the assumption that the age-specific death rates are binomial proportions (7). The 95-percent confidence limits were estimated as follows:

$$\text{Lower limit} = R'_s - 1.96 \cdot S(R'_s)$$

and

$$\text{Upper limit} = R'_s + 1.96 \cdot S(R'_s)$$

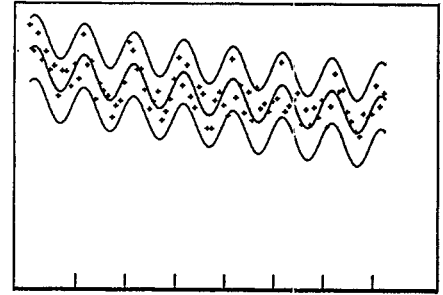
For 1-49 deaths, the lower and upper 95-percent confidence limits were estimated as described elsewhere (8). The difference between the State and U.S. age-adjusted rates was determined to be statistically significant at the .05 or .01 level if their respective 95-percent or 99-percent confidence limits did not overlap.

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**Mortality Surveillance System chart topics**

<i>MVSR issue</i>	<i>Cause-of-death chart topics</i>
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Vol. 40 No. 10	Suicide
Vol. 40 No. 11	Accidents and adverse effects, Homicide and legal intervention
Vol. 40 No. 12	Infant mortality, Neonatal mortality and Sudden infant death syndrome
Vol. 41 No. 1	Human immunodeficiency virus infection
Vol. 41 No. 2	Cerebrovascular diseases
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Vol. 41 No. 4	Diabetes mellitus
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Vol. 41 No. 6	Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissues
Vol. 41 No. 7	Malignant neoplasms of trachea, bronchus, and lung
Vol. 41 No. 8	Malignant neoplasm of prostate, Malignant neoplasm of breast

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